

UNIVERSITY OF ALBERTA

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English prof nominated for Governor-General's Award

Ted Bishop's novel explores the connection between books and motorcycles

By Geoff McMaster

English professor Dr. Ted Bishop has been nominated for a Governor-General's Literary Award for his non-fiction work, *Riding with Rilke: Reflections on Motorcycles and Books*.

"My publicist took me to the event (in Toronto where the nominations were announced), and I really went just for the free Danish and coffee," said Bishop, on tour to promote his book. "I was standing there beside a copy of my book wondering if I could get to the Danish table, and they called my name."

"I'm still kind of in a state of shock – I didn't jump up and down or shriek, I just kind of said to myself, 'Oh.' It's sort of like a bike accident – maybe it will hit me in a day or two."

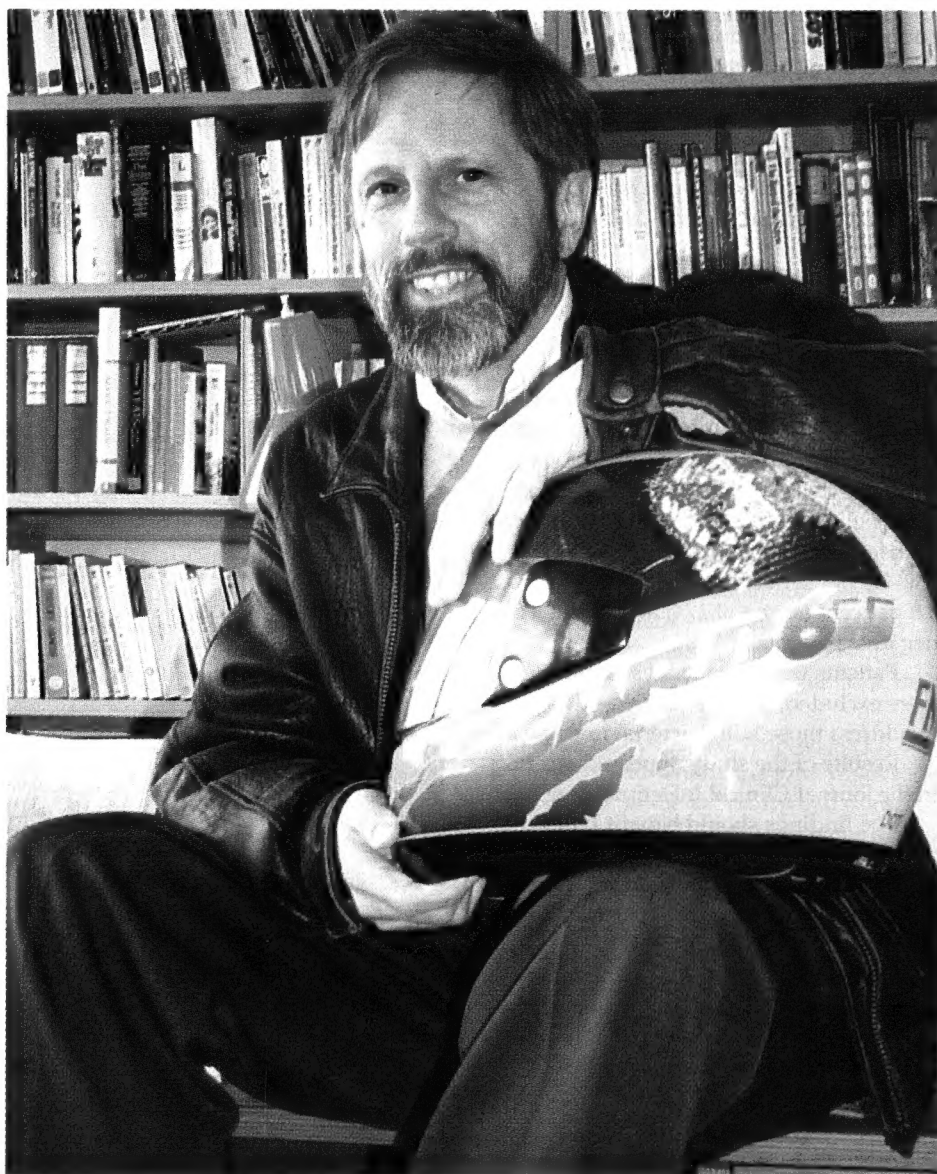
Bishop's book, released last September, is a unique brand of travelogue that moves between descriptions of motorcycle touring and reflections on modernist literature. It draws thoughtful, often amusing, connections between reading the road and pursuing archival research.

"I'm using the motorcycle ride as a kind of metaphor for talking about the materiality of the archive," Bishop said last year after receiving a grant of \$60,000 from the Social Sciences and Humanities Research Council of Canada to complete the book.

"The physicality of the archive tells you something. Unless you can see or feel that, you're not going to know it," he said, comparing it to the smell and feel of the open road.

Riding Rilke is framed by his 1998 motorcycle accident in B.C., which almost cost him his life. During the long recovery he rediscovered a profound love of reading – divorced from professional obligations – that he hadn't known since childhood.

Bishop is up against four other writers for the non-fiction award: Michael Mitchell of Toronto for *The Molly Fire*; Edward Shorter of La Cross, Wisconsin



Dr. Ted Bishop was reacquainted with his love of books after a 1998 motorcycle accident.

for *Written in the Flesh: A History of Desire*; John Vaillant of Vancouver for *The Golden Spruce: A True Story of Myth, Madness and Greed*; and Jessica Warner of Toronto for *The Incendiary: The Misadventures of John the Painter, First Modern Terrorist*.

The winners of this year's awards will be announced in Montreal on Nov. 16. and will receive their awards from Governor-General Michaëlle Jean at Rideau Hall on Nov. 22 (children's literature) and Nov. 23 (all other categories). ■

U of A and city to bid for World University Games

By Folio Staff

Canadian Inter-university Sport (CIS) has selected Edmonton as the host city for Canada's bid for the 2011 World Summer University Games.

The City of Edmonton and the University of Alberta have been working together for the past two years to develop a preliminary bid for CIS consideration. CIS made its decision based on this documentation and a site visit last May.

"The investment Edmonton has made in major events in the past years has paid off," said Al Maurer, with the City of Edmonton. "We have developed a fine inventory of world-standard facilities and home-grown expertise in staging events like this. We've spent time building our reputation on the world stage and we are finding we are attracting more interest."

Edmonton hosted the Summer University Games in 1983 and established itself as a host to be counted on for delivering an excellent event.

"Hosting these games in Edmonton represents an incredible opportunity for Canadian university athletes, particularly because the Olympics will be held the following year," said Dr. Mike Mahon, dean of the U of A's Faculty of Physical Education and Recreation. "The university has long held a well-deserved reputation for excellence in athletics and world-class facilities and as good hosts of international events. We are proud to be able to continue that legacy through the 2011 World University Games."

The U of A has a long history of commitment to the advancement of interuniversity sport. Since 1990, it has hosted 21 national championships and won over 50 Canada West titles and 49 national titles – more than any other university in Canada.

Continued on pg 5

Education could lower TB rates, study says

Three-year study identifies better ways to prevent and treat the disease among high-risk groups

By Beverly Betkowski

Aboriginal people and immigrants must be given an active role in helping educate the public about tuberculosis, according to a new study by the University of Alberta.

"We found that the voices of these people, especially those who have already experienced TB, can play a crucial role in prevention. We need to recruit and train lay health educators to work as mediators in clinics and in high-risk communities," said Dr. Nancy Gibson, a professor of human ecology at the University of Alberta and one of the study's authors.

A three-year study was conducted to identify better practices for prevention and treatment in the populations of immigrants and Aboriginal peoples, which are experiencing the highest rate of tuberculosis in Canada.

The findings are published in the September issue of *Social Science & Medicine*.

The prevalence of TB in immigrants jumped from 35 per cent in 1980 to 57 per cent in 1994, and that of Aboriginal people went from 14 to 19 per cent in the same time period, while in the non-Aboriginal population in Canada, the proportion of cases decreased from 49 per cent to 21 per cent. Past studies have shown that immigration to Canada in the 1950s and 1960s



Mildred Dacog and Darrell Wildcat took part in one of the study's workshops.

was mainly from countries whose TB rates were similar to those in Canada, but now immigration is from countries in Africa and Asia where the prevalence of TB can be 50

per cent or higher.

"The study found that although patients with active disease learn about TB from health professionals, people in high-

risk populations need to learn more about TB transmission and prevention prior to contact," said Gibson. "This is especially important given that lack of knowledge of TB was strongly associated with negative attitudes towards TB and a worse experience of the disease."

Knowledge of TB is needed in the high-risk populations, but health professionals tend to meet patients only in the active stages of the disease. Employing people who have recovered from TB, family members of recovered patients and lay health communicators could offer valuable information in fostering community awareness, the study suggests.

The study included new Canadians from China, Hong Kong, India, Vietnam, the Philippines, Eastern Europe and four Aboriginal communities in Canada. Interviews with them revealed how they felt about TB. Some believed TB was a result of irresponsible lifestyle or overwork. Others didn't tell people they had the disease for fear of stigma.

The study revealed that people who had been able to learn enough about the disease were more positive and had better experiences with TB than those who did not know much about it.

The study was funded by the Alberta Heritage Foundation for Medical Research.

folio

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Pneumonia not more harmful to HIV-positive patients: study

U of A researchers documented cases in 26 hospitals and 11 countries

By Beverly Betkowski

Pneumonia doesn't appear to harm HIV-positive patients any more than those without HIV, according to a new international study conducted in part by the University of Alberta.

In a two-year study that documented cases in 26 hospitals in 11 countries including the United States, Canada, South Africa, Chile and Spain, outcomes for 58 HIV-positive patients with CAP, or community-acquired pneumonia (pneumonia contracted outside of hospitals) were compared with outcomes for 174 HIV-negative patients suffering a similar severity of CAP. All the HIV-positive and negative patients were matched for age and gender. No differences were found in the length of hospitalization or in the time it took to clinically stabilize the patients. There was also negligible difference in the mortality rate; total deaths among the HIV patients was 3.5 per cent (two of 58 patients), and 4.8 per cent (seven of 174) among the HIV-negative patients.

Patients with Pneumocystis infection were excluded, as the study was designed to address those with bacterial infections.

Results of the study appeared recently in the journal *Clinical Infectious Diseases*.

The findings should benefit HIV-positive patients in two ways, said Dr. Tom Marrie, dean of the University of Alberta's Faculty of Medicine and Dentistry and one of the study's co-authors.

"Patients with less severe pneumonia may be hospitalized less if physicians know that their HIV infection won't put them at any additional risk of complications."



Study co-author Dr. Tom Marrie.

This study also emphasizes the benefits of treatment of HIV. Control of HIV infection improves the health of patients and they get infections such as bacterial pneu-

monia less frequently.

"When they do get bacterial pneumonia, their immune systems are better able to respond to the infection," Marrie said. ■

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Playing hardball over softwood

After an August ruling in Canada's favour, the U.S. is refusing to refund Canada for the billions in duties imposed on softwood lumber. Is softwood lumber a sign that NAFTA isn't fulfilling its promises, and should Canada rethink its membership?

By Caitlin Crawshaw

This August, it seemed that a years-old rift with the U.S. over duties placed on Canada's softwood lumber exports was finally coming to an end. A North American Free Trade Agreement (NAFTA) extraordinary challenge committee ruled against U.S. allegations that a previous ruling in support of Canada's position violated NAFTA rules. The decision seemed to eliminate the basis for U.S.-imposed duties on Canadian softwood lumber, and Canadian government officials argued that the ruling would require Washington to return \$4 billion in duties collected from Canadian lumber companies over the last three years.

The duties were originally placed on the Canadian lumber exports used in home building and remodeling in 2002, when the U.S. claimed that the industry was being subsidized in Canada, to the detriment of American softwood lumber. Numerous negotiations followed, but for years the issue of softwood lumber has remained a sticking point in the trade relations between the two nations.

While Canada feels that the August 2005 ruling requires the U.S. to refund the duties taken and concludes the debate, the Bush administration maintains that the ruling was much more limited, and is requesting Canada to come back to the table. So far, Canada has refused to do so. In New York last month, Prime Minister Paul Martin spoke out against Washington's refusal to return the money, and Natural Resources Minister John McCallum suggested that if Washington doesn't respect NAFTA, Canada will move to diversify its exports. Some have inferred the comments suggest that Canada will soon look to China to sell its oil. In a September telephone call between Martin and Bush, the Canadian leader maintained his position, refusing to go back to negotiations.

According to Dr. Gordon Laxer, a University of Alberta sociologist and director of the Parkland Institute, the softwood lumber conflict is evidence that NAFTA isn't working for Canada.

"I don't think [the Canadian government's] position is strong enough. At the

moment all they're calling for is to live up to NAFTA, but I think this reveals to other people that NAFTA is fundamentally flawed," said Laxer.

For one thing, there are no enforcement mechanisms for the NAFTA panel's ruling, Laxer noted. Moreover, NAFTA regulations prevent Canada from exporting oil from Alberta to the rest of Canada before sending it along to other markets.

"I think they've broken the agreement, and when one side breaks an agreement, I don't think the other side's bound by it either. I think then that we should not just threaten to export oil to China; I think we export oil from Alberta to the rest of Canada. And they're still going to take our softwood lumber because they can't produce enough. And they'll still take our excess oil and gas if we export to them, because they're already getting oil from Venezuela and the Middle East, places they consider politically shaky," said Laxer.

In fact, in Laxer's view, NAFTA was flawed from the start. He explains that NAFTA's promise to Canada was, essentially, unlimited access to the U.S. market in return for giving up control of foreign corporations in Canada and Canadian control over its own oil and gas.

"NAFTA is definitely not working," he added. "We were supposed to get guaranteed access in return for giving up energy sovereignty and control over foreign ownership." But the softwood lumber indicates that Canada isn't getting the access it was originally promised, Laxer says.

Since the U.S. isn't following the rules, he contends that Canada can and should get out of NAFTA. Canada could, for instance, invoke article 1905 of the agreement and make a strong case that the U.S. has violated the agreement, or invoke article 2205, which allows parties to withdraw with six months' notice.

Dr. Greg Anderson, a postdoctoral fellow in the U of A Department of Political Science, takes a contrary position. He believes the softwood lumber dispute has been overblown by some political analysts, and that it is not evidence that Canada should rethink its trading arrangements

with its southern neighbour.

"Softwood is just an outlier – essentially the NAFTA agreement works very well. The dispute systems have actually been a great benefit to Canada and Mexico in reining in the arbitrary use of trade remedy law in the United States to harass Canadian and Mexican products," said Anderson.

"In the U.S. context, people complain about how the softwood industry is a narrow, protectionist industry that's captured U.S. trade policy and is manipulating the system. But in many respects, you could make the same argument about the Canadian softwood industry, because it represents just over eight per cent of all Canadian exports. You see Martin and [Minister of Finance Ralph] Goodale running around the U.S. making some speeches, threatening, 'Well, maybe we'll hold energy hostage' or something like that. But energy itself is 20 per cent of our exports. So, you kind of have to weigh these things. Are you going to hold hostage 20 per cent of your export revenue to a relatively narrow interest in the form of softwood?"

While Canada shouldn't necessarily back down, Anderson thinks it's worth noting that softwood is a bigger issue in Canada than in the U.S.

"This sabre-rattling with respect to trade wars and whatnot is kind of foolish, because in the U.S. softwood doesn't resonate at all, it doesn't hit anyone's radar map, and no one cares about softwood in the United States. It never even makes the business papers in the U.S. And part of the reason is, America just has a much broader international agenda, and a single commercial dispute about softwood just doesn't hit anyone's radar screens," he said.

"So, for Paul Martin to call up George Bush and say, 'George, you should do something about softwood,' from an American perspective it's like, 'What are they complaining about? Don't they know we're at war, don't they know there are catastrophes – hurricanes, tsunamis and that kind of thing? And you're calling me about a bunch of sticks?' That's what it sounds like."

Dr. Debra Davidson, a renewable

resources professor at the U of A, argues that sociologically and environmentally speaking, it's ultimately quite hard to judge NAFTA's impacts from the broader trends in economic globalization.

"It's very hard for researchers to say, 'NAFTA caused this effect,'" she said.

However, she noted that economic globalization in general places pressures on the environment due to increasing rates of production and consumption, and the transportation of goods over farther distances.

"On the other hand, you can also argue that NAFTA can be faulted for not fulfilling its promises, for the fact that NAFTA was designed as a trade agreement that was going to improve upon social wellbeing in all three countries, and that simply hasn't happened," she said.

"From another perspective, softwood is among a number of issues that we've seen lately that show that one of the things that go along with being dependent on an international economic base is increased uncertainty and vulnerability to uncertain events."

For rural economist Dr. Marty Luckert, it's important to remember that while NAFTA may have some flaws, it has created regulatory bodies whose decisions can give Canada clout when it comes to dealing with trade-related conflicts. He added also that the economic benefits of Canada's trading relationship with the U.S. are many, and that Canada should play its cards wisely.

"I think it's pretty dangerous to put energy on the table. Getting into a trade war with the United States is the last thing that Canada wants to do. I think they have to be somewhat assertive in their interests, but we're so dependent on the U.S. as a trading partner," he said.

"Sure, we can go to China and try to get less dependent on it, and we should be doing that anyway. But the convenience, the low cost of having the largest market in the world next door to you, can't be underestimated. There's a natural trade relationship there, which if it doesn't happen, is going to hurt Canada severely – much more than it would hurt the United States." ■

Psychiatrist offers academic take on Sex and the City

Hit show can help people learn about themselves, says instructor

By Natalie Climenhaga

When modern psychoanalytic psychiatrist Dr. Nicholas John watches the hit show *Sex and the City* he's sure to notice more than the expensive shoes.

According to John, there is a wealth of psychoanalytical content among the trials and tribulations of the show's fashion-conscious Manhattanites Carrie, Samantha, Charlotte, and Miranda, and this inspired him to take the show to an academic level.

Sex and the City on the Psychoanalyst's Couch is a new non-credit Liberal Studies course offered through the University of Alberta's Faculty of Extension that began October 13. The course will examine, among other things, how individuals can learn more about themselves and their relationships by watching the show.

"So many [people], especially women, but not only women, identified so strongly with the characters," John said.

John, who is also an assistant clinical professor with the Faculty of Medicine and Dentistry, plans to incorporate his professional analysis of the show while also giving participants a chance to discuss their views.

"I've designed the course in a way that I think is going to allow me to make the points I want to make around certain themes in each of the four sessions but also have discussion," John said.

John hopes that anyone who takes the course will ultimately deepen their understanding and appreciation of the hit show.

"Part of what I'm trying to do here is to give people the ability to actually watch the show and get even more out of it the next time around," John said.

And although the name Sex and the City may imply otherwise, John pointed

"It's not all about sex and, in fact, the writers of the show say it's not really about sex - it's about sexual relationships."

— Dr. Nicholas John

out the show focuses more on the emotional versus physical aspects of relationships.

"It's not all about sex and, in fact, the writers of the show say it's not really about sex - it's about sexual relationships," John said.

According to John, modern women now need to learn to nurture both their emotional and sexual needs.

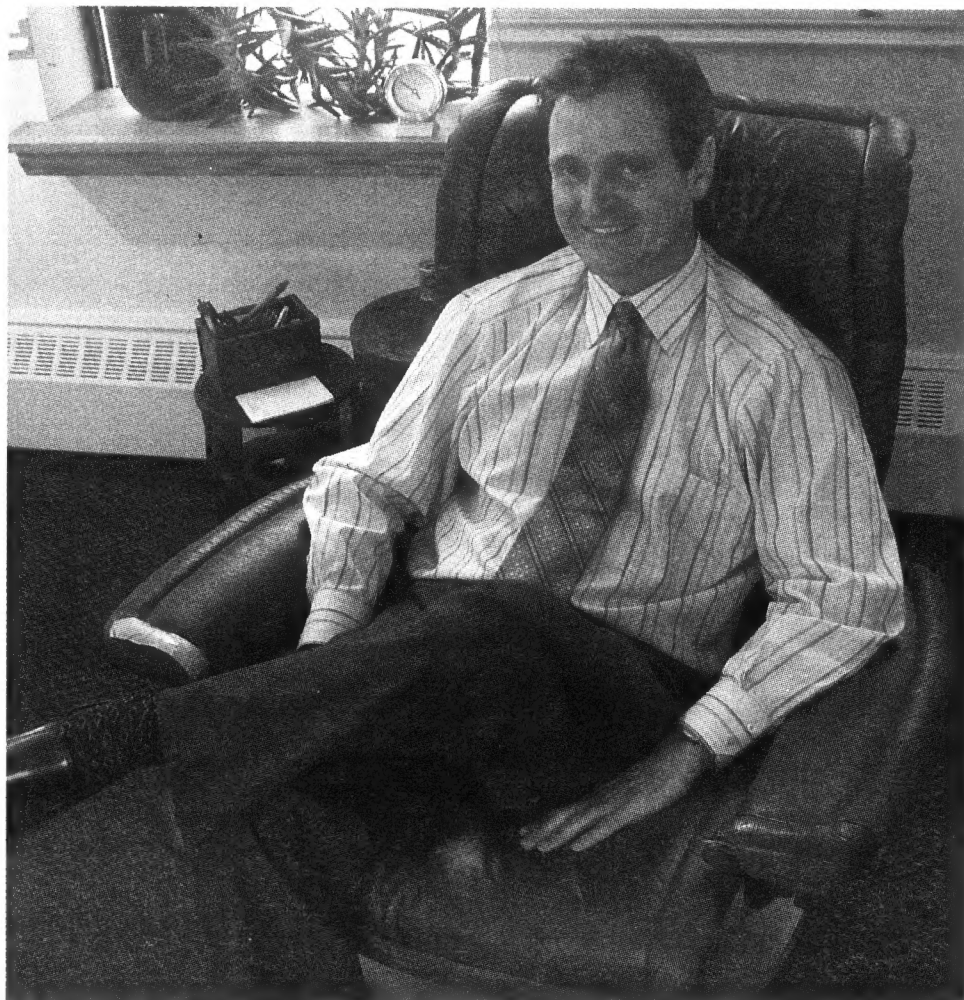
"This is really post-sexual revolution stuff. In the '60s, people thought free love [would] solve everything [and] just have sex without inhibition and there will be no problem - well, that's not true."

What makes Sex and the City unique, in John's view, is its ability to incorporate some of the genuine obstacles faced in relationships while at the same time providing comic relief.

"It's an entertaining show, there's no question it's a lot of fun, but it's a bit like the Beatles you know, it's sad songs done in an upbeat way," he said.

But John credits Sex and the City for demythologizing love and presenting relationship issues without the silver lining.

"[In the show] there's no pot of 'gold at the end of the rainbow' ideal outcome and that's very mature. We need more," John said.



Caitlin Crawshaw

Local psychiatrist Dr. Nicholas John says the hit show is more about relationships than sex.

"We've got some real myths about romantic love in North America, [and] it undermines that," he added.

And while the designer fashions featured in the show may be out of most indi-

vidual's reach, John believes the character's perseverance in their quest for Mr. Right is worth emulating.

"They keep going back to the trenches for more and that's healthy." ■

Academic Women's Association confers honorary membership to U of A president

Samarasekera first U of A president eligible to join campus association

By Caitlin Crawshaw

At a celebration marking its 30th anniversary earlier this month, the Academic Women's Association presented an honorary membership to the U of A's first female president.

Dr. Indira Samarasekera, an accomplished metallurgical engineering researcher, is the first University of Alberta president eligible to join the association, which supports women academics at the U of A.

According to Dr. Katy Campbell, AWA president and associate dean of the Faculty of Extension, Samarasekera is an excellent role model for academic women on campus.

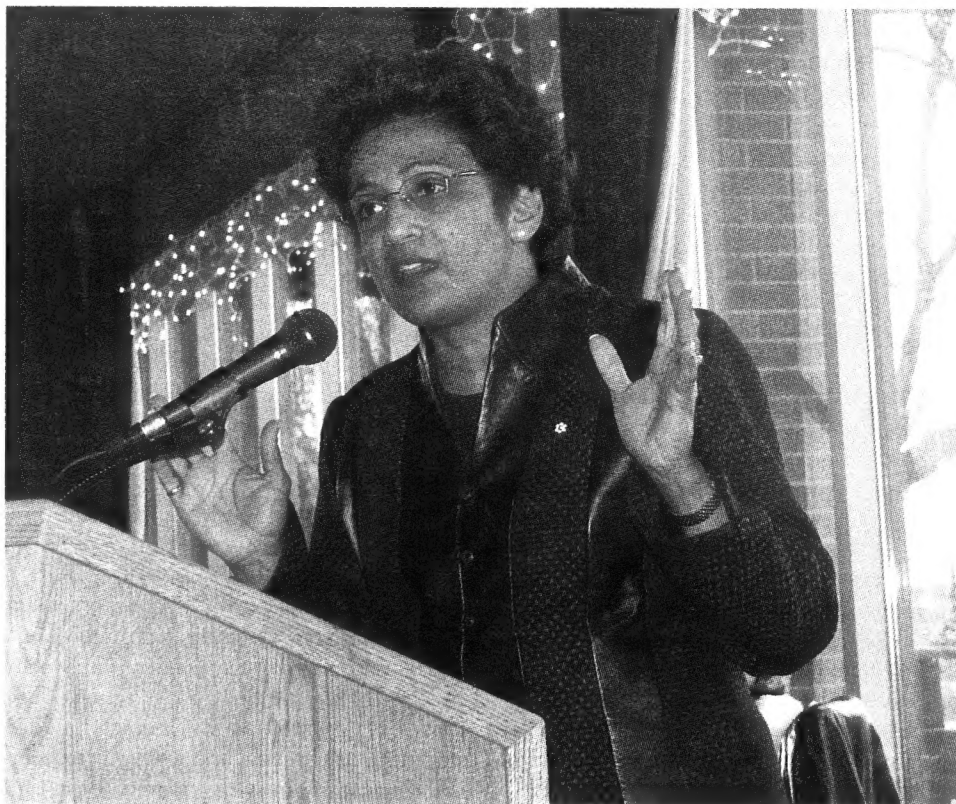
"She really tells a woman's story, of dealing with a family who wasn't sure if she should have a career, for example. She started her education with their sort-of blessing and made her own way in trying to find places in male-dominated fields, while trying to juggle a family and integrate her professional and personal lives," said Campbell.

"All of her issues are our issues, and she's a shining example of how you can resolve some really hard things in your life."

At the event, Samarasekera spoke candidly of her academic history to a rapt audience.

"When I finished my PhD, you may not believe this, but I had no idea what I wanted to do," she said. Urged to pursue an academic appointment, Samarasekera ultimately chose a soft-funded position at the University of British Columbia.

"It kind of fit my plans, because the one thing I knew I wanted to do was have a second child. And I was looking



President Indira Samarasekera

for a soft job, since I wanted to do both. So I took the position and it was a good arrangement."

Samarasekera would continue to work at soft-funded positions for a number of years, never sure whether the funding for her salary would continue. It was uncomfortable knowing that her salary could

disappear if the funding ceased, but she persisted. Having been advised by her department chair that she would need to develop an international reputation within five years, and at the top of her field in 10 to be successful, Samarasekera was determined to achieve all she could.

"I've spent the last 20 years perfecting

"I've spent the last 20 years perfecting the art of minor miracles."

— President Indira Samarasekera

the art of minor miracles," Samarasekera joked.

Her success was the product of working hard at her teaching and research endeavors, while sitting on numerous committees at many different levels, she said.

"I don't think I'd be standing here today if I hadn't gotten involved as a citizen of the university, contributing at what most would consider an extremely lowly level, but it allowed me to develop certain skills, like leadership and interpersonal skills, that I wouldn't have otherwise had."

She added that mentorship was a critical part of her success.

"I look at my path and there were mentors all along the way. I encourage you of all to mentor someone else because I think it's through mentorship that we bring out the best in one another."

Not everyone needs to work their way up to the presidency of a university, added Samarasekera, stressing that there are many different kinds of leadership at a university.

"I think that's what makes the academia special—every one of us brings a different kind of leadership at every level. And it's that confluence of leadership that makes the institution so vibrant and so vital." ■

Caitlin Crawshaw

Physicist appointed to \$3-million cancer research chair

Tuszynski takes interdisciplinary approach to designing cancer-fighting drugs

By Michael Robb

A physicist appointed to the new Allard Research Chair in Oncology believes there is an “epoch-making scientific revolution” going on in biology and that his basic science skills can be employed in unorthodox ways to battle cancer.

Dr. Jack Tuszynski intends to apply an interdisciplinary approach in developing novel chemotherapy drugs and new methods for treating cancer.

Trained as a basic scientist with expertise in one of the most fundamental disciplines, physics, Tuszynski finds himself fascinated and engaged in one of the most applied fields – finding ways to combat cancer.

Tuszynski will bring his knowledge of spectroscopy, condensed matter physics, non-linear physics, statistical physics and biophysics to the task of trying to reduce the numbers of lives claimed by cancer. For more than a decade, the physics professor has been exploring, at a fundamental level, protein modeling and pharmacokinetics. Specifically, he’s conducted research on tubulin, a protein indispensable for cell division, whose specific variants are over-expressed in cancer.

With detailed knowledge of tubulin’s structure at the level of individual atoms, Tuszynski and his team are using computational power to design drugs to combat cancer with reduced side-effects to healthy cells. His team has designed several new chemical structures intended for chemotherapy and is developing new treatment methods in his lab with on-going efforts to refine them.

The next stage involves testing the new drugs both in vitro and in vivo, he explains, pointing out that they may be particularly effective against ovarian and breast cancers.

Tuszynski’s career took a major turn in 1997 when, at a conference he organized in Banff, he was inspired by the work presented by Dr. Kenneth Downing, a scientist in the Life Sciences Division at Berkeley. That team crystallized the structure of tubulin, a major target of cancer drugs. Microtubules, formed from tubulin, are now known to be critical to the structure and function of cells

and the process of cell division. Inspired by Downing’s work, Tuszynski re-aligned his research towards computational simulations for proteins referred to in technical terms as molecular dynamics.

Tuszynski’s research is also directed at cancer’s resistance to drugs and how to combat that process – one closely associated with cancer’s ability to mutate and resist effective chemotherapy. His group is now beginning to address some of the fundamental questions about why tumour cells develop drug resistance.

“I’d like to be able to focus on protein expression in specific types of cancers with a keen eye on understanding the molecular mechanisms behind the development of drug resistance during chemotherapy,” he said.

That work will be assisted enormously due to the existence of the extensive tumour bank at the Cross Cancer Institute, he points out, as well as a number of state-of-the-art labs located in the Division of Experimental Oncology.

Longer term goals also intrigue Tuszynski. “To be able to either design new drugs at the molecular level or re-purpose existing drugs that are patient-specific is our ultimate goal.” And, he adds on a philosophical note: “In my opinion, the epoch-making scientific revolution that’s going on right now is in biology, not physics.”

But he also believes that the revolution in biology may be aided by both the knowledge of physics and by applications of physical techniques, both experimental and computational. He and his team are pioneering methods of attacking cancer cells by using finely tuned ultrasound, lasers, magnetic and electric fields. Tuszynski believes that there may soon be novel physical ways developed for attacking cancer cells’ fundamental structures, thus preventing them from being able to replicate.

He expects his move from physics to oncology will mean working more closely with colleagues in medical physics, oncology, nanotechnology and basic scientists in medicine, a prospect he finds exciting.

“We’re excited about the skills in com-



Richard Siemens

Dr. Jack Tuszynski, with research assistant Kristy Beinert, has been appointed to the new Allard Chair in Oncology.

putational biology that Dr. Tuszynski will bring to the fight against cancer,” says Department of Oncology Chair and Cross Cancer Institute Director Dr. Carol Cass. “He has already established important research collaborations with clinicians and basic scientists at the Cross Cancer Institute, which should generate new therapeutic approaches in both ovarian and breast cancer.”

In addition to the Alberta Cancer Foundation’s \$3-million Allard Chair, his team is also funded by the Natural Sciences and Engineering Research Council, the federally supported network

of centres of excellence called MITACS, the US Department of Defense, Technology Innovations, a private biotech firm in Rochester, NY, and Oncovista, a private pharma startup in San Antonio, Texas, both of which are funding his work on synthesis and testing potential anti-cancer compounds. Jointly with his long-term collaborator, Dr. John Dixon of the University of Warwick, Tuszynski has been recently awarded a major grant from the Leverhulme Foundation in the UK.

(Michael Robb is Public Affairs Officer for the Faculty of Medicine and Dentistry.) ■

U of A and city to bid for 2011 World University Games

Continued from pg 1

A successful bid for the World University Games would bring major benefits both to the U of A and the city. The estimated economic impact in Alberta of the 2001 IAAF World Championships, which Edmonton and the U of A hosted, was \$159.7 million.

The Summer University Games typically attract upwards of 6,000 athletes from more than 100 countries. The Games, last held in Izmir, Turkey in July, attracted a television viewing audience of 400 million.

Mahon noted that the games would also provide a great opportunity to showcase the city’s cultural offerings.

“In ‘83, there was a very significant cultural component to the Games, and we expect to do the same thing in 2011, so that we can ensure that we not only involve people that are interested on the athletic front, but also those that are interested more in the arts and culture,” Mahon said. “We have a Universiade scholarship from 1983 that supports students in the humanities and fine arts as well as students in the physical education area, so we hope to continue with that tradition.”

“Hosting these games in Edmonton represents an incredible opportunity for Canadian university athletes, particularly because the Olympics will be held the following year.”

— Dr. Mike Mahon

Over the next weeks a bid committee will be established and work will begin on the bid package that must be submitted to the International University Sports Federation (FISU), the governing body for the World University Games. The bid proposal will focus on renewing existing sporting facilities rather than on new construction.

The bid is due in June 2006. FISU will announce its final decision in January 2007. ■



Carlin Grawshaw

St. Joseph's College on a bright October morning.

AHFMR, researchers mark quarter century

Agency has supported hundreds of U of A researchers since its conception

By Richard Cairney

Five University of Alberta researchers were honoured earlier this month in a celebration that marked 25 years of research funding for them from the Alberta Heritage Foundation for Medical Research.

As AHFMR marks its 25th anniversary, so do the more than 600 researchers and researchers in training who have qualified for funding. On campus, Dr. Diane Taylor, Dr. Linda Reha-Krantz and Dr. Tessa Gordon celebrated 25-year associations with the provincial agency; Dr. Dean Befus and Dr. Jon Meddings marked 20 years.

The agency, said Taylor, an AHFMR Scholar, has played an essential role in her quarter-century of research at the U of A, studying antibiotic resistance in bacteria.

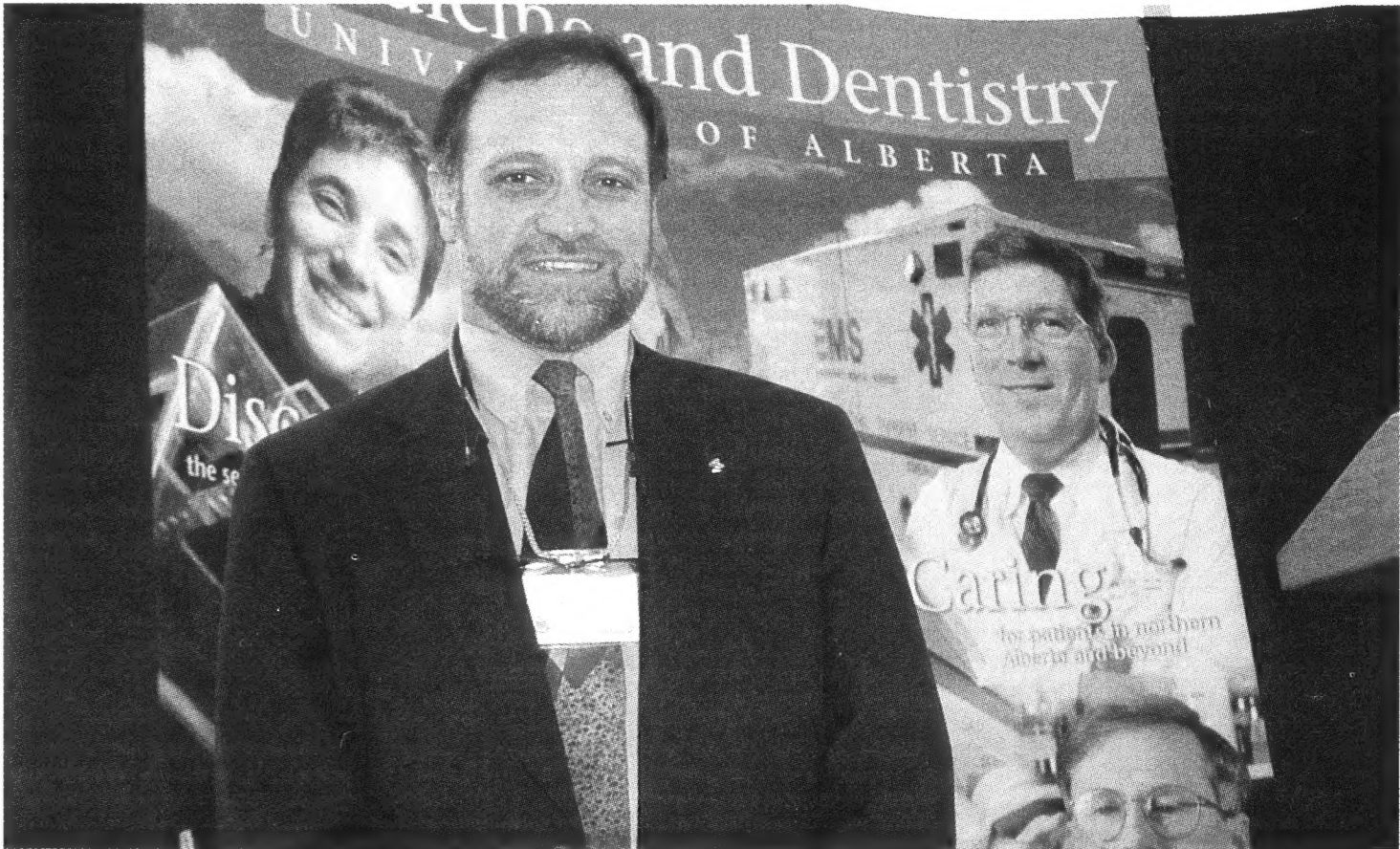
"It has been crucial for my research," she said. "They've supported my graduate students and postdoctoral fellows and allowed me to spend 75 per cent of my time on research."

Reha-Krantz's research into DNA polymerases, the copying mechanism of DNA, provides fundamental information about cancer and aging and helps in the development of new drugs. She says AHFMR was "a godsend" that helped new scientists establish themselves.

"You could get your lab up and running and when you'd shown your proof of principle it went a long way in helping you secure funding from other agencies."

Gordon, who has 25 years of AHFMR funding, studies peripheral nerve cells and the repair of injured nerve cells. Her work examines why repair fails to occur in spite of the capacity for regeneration in the peripheral nerve system.

Befus, with 20 years of AHFMR funding, focuses on the basic mechanisms of allergic inflammation. He is the director



Dr. Dean Befus celebrated 20 years as an AHFMR researcher earlier this month.

of the Alberta Asthma Centre and the AstraZeneca Canada Inc. Chair in Asthma Research at the U of A.

Meddings, a 20-year funding recipient, researches whether leaky guts ultimately lead to Crohn's disease. He measures permeability in people in high-risk groups - those with relatives who already have the disease. He is the Chair of Medicine.

U of A President Dr. Indira Samarasekera spoke at the event of the foundation's "remarkable contribution" to the advancement of knowledge.

"The university is being recognized as a powerhouse in health research within the province, across the country and beyond," she said. "Today we celebrate not only outstanding researchers but also a truly

outstanding partner."

Established in 1980, AHFMR currently provides funding for over 600 researchers and researchers in training at the province's three main universities. Total AHFMR funding over 25 years is in excess of \$800 million, approximately half of which has been awarded to the U of A research community. ■

U of A, community reach out to displaced student

After Hurricane Katrina devastated the University of New Orleans, Christina Scurti looked to the U of A to continue her education

By Scott Lingley

A student from the University of New Orleans whose first year of studies in archeology was pre-empted by Hurricane Katrina is back in the classroom, thanks to a little northern hospitality.

Christina Scurti arrived in Edmonton on Sept. 20 to start taking classes at the University of Alberta after Hurricane Katrina devastated New Orleans and made it impossible to go to school. She decided to look into the U of A after her aunt, a U of A alumna who now lives in North Carolina, suggested checking if the school was offering places to students affected by Katrina.

"I went straight to the U of A website and, sure enough, there it was: 'President offers places to Katrina-displaced students,'" Scurti said. "So I e-mailed Melissa Casey in the registrar's office and she was just amazing—it astonished me how fast she got everything done, because I contacted her and literally a week later I was stepping off a plane in Edmonton."

Scurti's arrival followed weeks of confusion and chaos wrought by the hurricane. Though she managed to get out of New Orleans hours before the mandatory evacuation order and weathered the storm at her fiancé's parents' farm two hours north of the city, she said she still got a taste of nature's fury.

"I had been in hurricanes before but this one was definitely worse," she said. "There was so much water in the air it was almost white and the wind was blowing the rain almost horizontally and you could see thick trees bent over. The next morning I walked outside and there was a tree about 20 feet from the room I was sleeping

in that had been snapped like a matchstick. A lot of the trees on their property were like that."

Scurti said the mandatory evacuation and martial law that followed Katrina made it impossible for her to find out whether her apartment and belongings had been destroyed in the storm.

"Things were so confused after the storm, even the radio stations were getting news from people who were just calling in and telling them stuff," she said. "We heard that Gretna, where we lived, was burning, that it was flooded with four or five feet of water. But it was fine—we were very fortunate."

It was around that time Scurti's aunt suggested she check out the U of A, which was offering to waive tuition for students from Gulf Coast institutions displaced by Katrina. This, it turned out, was just the beginning of the generosity that would be extended to Scurti.

Upon her arrival, Scurti lodged for a week with a staff member from the U of A's Office of the Registrar. An Edmonton couple has provided Scurti with free room and board in a furnished apartment north of downtown for two months, after which Scurti can rent the apartment at a discounted rate. The Dean of Students' Office purchased Scurti's books for this semester as part of an emergency bursary, since her own student funding is still tied up in the U.S. financial aid system.

"I was very impressed and very appreciative," Scurti said. "Everyone has amazed me, how willing people have been to help. It's very reassuring."



A tip from her U of A-alumna aunt led Christina Scurti to the U of A.

Scurti said her experiences on the U of A campus have also been positive so far.

"They're hoping to have UNO open for the spring semester, but I'm thinking now I'm going to stay for the spring semester because I really like it here," she said. "The only deterrent is the weather. Since I've gotten here I've been layering on the clothing and wearing gloves everywhere and shivering and all the natives are telling me,

'oh, this is nothing - just wait until winter really starts.' That's what I'm afraid of."

That said, Scurti is looking forward to making it back to the city she loves.

"There's been a lot of speculation about whether New Orleans is going to recover from this, and I really believe it will. As much as I already love Alberta, I really want to go back and help New Orleans get back on its feet." ■

U of A researchers earn science and technology awards

Alberta Science and Technology Foundation recognizes outstanding research at U of A

By **Folio staff**

Three University of Alberta researchers were among those honoured last week for outstanding innovative contributions to science and technology in the province. The 16th annual Alberta Science and Technology (ASTech) Foundation's Leadership Awards Gala took place in Calgary on Friday, Oct. 14.

Dr. Norman Beaulieu, a professor of electrical engineering, iCORE Chair and Canada Research Chair in broadband wireless communications at the U of A, received the Outstanding Leadership in Alberta Technology Award. The AVAC/Dow Agrosciences/ASTech Innovation in Agricultural Science Prize went to Dr. Thava Vasanthan and Dr. Feral Temelli, researchers in the U of A's Department of Agricultural, Food and Nutritional Science who co-founded Cevena Bioproducts, a company that makes a high-fibre concentrate called Viscofiber.

Beaulieu is a leader in the analysis and modeling of wireless communications systems. He has made groundbreaking contributions on a number of fronts, from performance analysis of wireless systems and modeling of fading channels to novel electrical pulse shapes for data modems. His results and techniques have been used internationally by researchers in many fields, including environmental management, resource economics, agriculture and commerce.

"It's nice to have your achievements acknowledged by your peers and I think the ASTech award has a lot of prestige, a lot of credibility and a lot of public awareness that even some national awards don't have," Beaulieu said.



Richard Siemens

Dr. Norman Beaulieu was among several U of A scientists to earn an ASTech leadership award.

Beaulieu said he wanted to thank his 22 hard-working graduate students, as well as iCORE and its president, Dr. Randy Goebel, who have been key contributors to his accomplishments since arriving at the U of A in 2000.

Vasanthan and Temelli were recognized for developing a cost-effective way to extract beta-glucan, a soluble fibre that helps lower cholesterol, from oats or barley without destroying its health benefits. The process produces high-quality beta-glucan

"It's nice to have your achievements

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even some national awards don't have."

— Dr. Norman Beaulieu

that can be priced low enough for sale as a dietary supplement or as an ingredient to make food healthier. The researchers formed Cevena Bioproducts Inc., in 2002 to develop and commercialize their technology. The company has attracted \$12 million in investment to date and plans to construct a plant in 2007.

In addition to the award recipients from the U of A, Dr. Robert Burrell, a U of A professor of engineering and Canada Research Chair in Nanostructured Biomaterials, and Dr. Robert Wolkow, a U of A professor of physics, iCORE Chair and principal investigator at the National Research Council National Institute for Nanotechnology were named as finalists for the Outstanding Leadership in Alberta Science Award.

ASTech is a not-for-profit organization supported by 21 private and public sector patrons. The foundation identifies and celebrates outstanding science and technology accomplishments across a range of industries. ■

Hole tapped to help plan U of A centenary

U of A alumnus chosen for his strong ties to campus

By **Scott Lingley**

"The U of A's 100th birthday should be celebrated

as widely as the Alberta centennial was, because

the university's founding was a milestone that has

been instrumental in shaping the course of our

province's history."

— Jim Hole

It's never too early to start planning for a big party, so the University of Alberta has drafted prominent Edmonton business owner and U of A alumnus Jim Hole as honorary co-chair of its 2008 centenary celebrations.

Along with U of A President Dr. Indira Samarasekera, Hole will co-chair the 60-member steering committee that will guide the organization of the university's 100th anniversary celebrations.

"The U of A's 100th birthday should be celebrated as widely as the Alberta centennial was, because the university's founding was a milestone that has been instrumental in shaping the course of our province's history," Hole said. "When we celebrate the university's centennial in 2008, we'll be celebrating the power of education - specifically, the many ways the university has made huge contributions to the quality of life in this province, this nation and the world beyond."

The University of Alberta was established in 1906, as one of the first acts passed by the province's legislative assembly. Its first classes began Sept. 23, 1908, with a student body of 45, seven of them women. Today, more than 35,000 undergraduate and graduate students are enrolled at the university and it has more



Scott Lingley

Dr. Mike Mahon, President Indira Samarasekera and Jim Hole show off University of Alberta swag.

than 190,000 living alumni worldwide.

Hole, who co-owns Hole's Greenhouses and Gardens, one of the largest retail garden centres in Canada, received his B.Sc. in agriculture from the U of A and is a former Golden Bear football player. Currently, he is a member of the university's Alumni Council and sits as its representative on the U of A Senate. He is the son of the late Lois Hole, former Alberta lieutenant-governor and U of A chancellor, and the late Ted Hole.

Samarasekera said, as new president, she's glad to have a co-chair whose history

with the university is extensive.

"The reason we chose Jim was because of his long association with the university," she said. "He knows the U of A, he understands it, he has been part of its culture, and it's important in celebrating the centenary that we capture its essence."

But Hole's prominence as a businessman and contributor to such publications as the National Post, the Edmonton Journal, Canadian Gardening Magazine and co-author of a series of gardening books will come in handy reaching out to people outside the campus community.

"There are still far too many Albertans who think they have no connection to the university, or perhaps a tenuous connection at best," Hole said. "We need to help these people understand that while the connections may not be immediately obvious, they do exist and are profoundly important."

"The centenary is a chance for the U of A to make new connections with the community and to help alumni reconnect with this incredible institution that helped shape their lives." ■

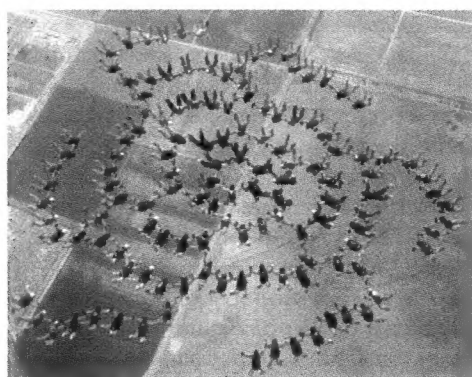
U of A prof jumps for the cure

Dr. Cindy Jardine helps break world record during skydiving fundraiser

By Tom Murray

Baseball, soccer, running: these are the sorts of outdoor sports that most people take up when they're looking for an after-work diversion. They're relaxing, easy to learn, and the risks involved are minimal—unlike skydiving, which involves stepping out of a plane and plummeting to the earth at high speed before opening a parachute.

There's no question that most people would choose the sport which involves already having your feet on the ground, but for folks like Dr. Cindy Jardine, the taste of adrenaline involved in skydiving trumps ball games every time. Good thing she can use this addiction for a worthy cause. Last month Jardine was part of a group of 151 women from around the



The Jump for the Cause team during their 2003 jump.

world who broke the world record in women's freefall, holding a pinwheel formation together for 4.8 seconds from a height of 17,000 feet. It wasn't done simply to get the participants names in the record books – Jump for the Cause was put together to raise money for breast cancer research. The jump, which took place in Perris, California, has so far raised \$480,000, just shy of their stated goal of half-a-million dollars.

This is the third such event, and the second time that Jardine has helped break



Dr. Cindy Jardine mid-flight.

a world skydiving record. At the second Jump for the Cause in 2003, 131 women from 15 countries and countless occupations held formation for 10 seconds at 16,500 feet. "The cancer research was a bonus," she remembers, "but on a personal level, just being able to qualify was great, because there was an amazing amount of talent on that load. There were a lot of world champions in many skydiving events there and this year was even more amazing."

Jardine, an assistant professor in Rural

Economy, has made at least 1400 jumps since she first saw a display advertising the sport 29 years ago in the Students Union building. Then an undergrad at the university, she signed up on a whim, forgot she had done so, and was slightly surprised when she received a call a few months later. "I thought, holy smokes, I guess I have to go through with this. I went and made the jump and was instantly hooked." She's kept up with the sport since, safely making 1400 jumps over the years.

Her work raising money and aware-

"For most of us this fear never goes away

- which is probably a healthy thing."

— Dr. Cindy Jardine

ness with Jump for Joy has been an added bonus for what is an evident passion. The money collected by Jardine and her crew will go to City of Hope, a facility in Duarte, California, dedicated to the treatment and prevention of cancer. It's a serious concern—one in seven women around the world will be diagnosed with breast cancer in their lifetime. "We're trying to draw attention to the problem," she supplies. "I'm involved in related work for my job, so in some ways it fits in perfectly with that." Jardine specializes in environmental health risk assessments and acts as an advisor to Capital Health authority and Alberta Health and Wellness on such issues.

Another reason why Jardine enjoys Jump for the Cause is for the chance to bond outside of the traditional male dominated world of skydiving.

"Women don't make up the majority of sky divers," she explains, "we're between 15 and 18 per cent in North America. Skydiving is very competitive in a lot of ways, very testosterone-laden – doing a women's event is a bit more nurturing and confidence-building."

As for the addictive adrenaline rush versus fear of the void issue, Jardine is well aware of the dangers involved in competitive skydiving, but she doesn't see herself giving up the sport any time soon. She allows that her unease hasn't abated over the years as she steps towards the door, but notes that it also might be a healthy reaction to an abnormal situation.

"For most of us this fear never goes away - which is probably a healthy thing." ■

U of A cowboy explores myth of modern agriculture

Cody McCarroll says distorted portrayal of rural people appears in both historical and modern literature

By Beverly Betkowski

Cowboy, farm boy, university graduate student in English and distinguished scholarship winner - Cody McCarroll is all of these things, so it only makes sense that he's using it all in his quest to earn a PhD and become a professor.

McCarroll, who grew up on a Daysland grain farm and rides the Canadian Professional Rodeo Association circuit as a team roper with his brother, is using his experiences as a rural citizen to explore the myths and realities of small property-owners like farmers and fishermen as portrayed in literature and media.

The third-year PhD student in English at the University of Alberta has been awarded the Ralph Steinhauer Award of Distinction, the U of A's Izaak Walton Killam Graduate Fellowship and a Social Sciences and Humanities Research Council Doctoral Fellowship to support his work in analyzing representations of small agricultural producers in various genres including novels, government studies, advertising and journalism.

McCarroll is finding that there is a definite gap between the realities facing small farmers and the way they are portrayed, for example, in popular media such as advertisements. While history tends to portray farmers as rugged, frugal and industrious producers whose hard work is a

blueprint for economic gain, the reality not being shown to the public is very different, McCarroll said.

He points to one example of an agricultural ad which shows a stereotypical denim-clad farmer standing in front of what McCarroll estimates is a half-million dollars worth of fixed capital - grain bins, a sprawling swatch of land - which the ad makes clear that he owns.

"The unspoken message is, 'This is hard work and this is what he earned.' It comes from hard work, but at the same time it also comes from the process of capital, which is to concentrate wealth in fewer hands, whether you work hard or not."

In studying everything from agribusiness advertising to the literature of economists dating back to the 1700s, McCarroll has discovered "uncannily similar" representations of smallholders, which tells him that the process of concentrating property in fewer and fewer hands has a long and successful history of mobilizing smallholders for its own purposes.

Throughout this literature, smallholders are depicted as the frugal, industrious and the moral backbone of the nation. Their hardworking, salt-of-the-earth persona justifies accumulating private property through individual labour. At the same time, however, small property holding is



Cody McCarroll

also portrayed as primitive and, therefore, as opposing "progress": small proprietors appropriate only what they have earned

through their own labour. Smallholders, then, are at once the moral justification of private property and yet have neither place nor property in the "progressive" future of the modern, industrial, urban nation.

The upward trend of concentration of agricultural capital is of special interest to McCarroll, who grew up on a family farm and watched its sale in the name of diversification.

"Smallholder farming is economically infeasible; with quarter-million-dollar equipment, soaring input costs and land bought with loans - who can buy it outright at \$1,000 per acre? - big capital is required. So I and the vast majority of my generation have no chance of continuing in the family business," McCarroll said.

The distorted portrayal of farmers, loggers, miners and fishermen is as much a modern concern as it was a historical one, he added. "It continues the cycle of expropriation of profit through the labour of others. For me the most disturbing thing is the lingering hope in rural Alberta that someone is looking out for the small property owner, which is not the case."

"Everywhere other than the Highway 2 corridor, Grande Prairie and Fort McMurray is looking more like less prosperous Saskatchewan than Alberta under the 'Alberta Advantage.'" ■

NINT receives \$3.8 million for Innovation Centre

Innovation Centre will facilitate nanotechnology commercialization

By Scott Lingley

The National Institute for Nanotechnology (NINT) at the University of Alberta has received a \$3.8 million investment from Western Economic Diversification Canada for its Innovation Centre devoted to attracting and facilitating commercialization of nanotechnology and related technologies.

"The NINT Innovation Centre presents an excellent opportunity for new and existing companies to grow and gain access to emerging markets through new nano-applications," said Deputy Prime Minister Anne McLellan, who announced the funding on Oct. 12 at the U of A on behalf of Stephen Owen, minister of Western Economic Diversification.

McLellan noted that over the past three years, Western Economic Diversification has contributed more than \$12 million to nanotechnology-related activities at the U of A.

"The NINT Innovation Centre will be a gateway through which companies will leverage Canada's nano-research, develop new partnerships and collaborations to bring expertise, facilities and resources together, and develop an environment that creates innovative products and provides access to the global market," McLellan said.

The Innovation Centre will be housed in the National Research Council's National Institute of Nanotechnology currently under construction at the U of A and slated for completion in May of 2006. NINT currently operates in the U of A Faculty of Engineering's Electrical and Computer Engineering Research Facility.

NINT's research activities are concentrated on four areas of nanoscale science and technology: advanced materials, infor-

"This is a visionary decision on the part of the government of Canada to invest in the place and the needed connections to get the products of nanoresearch to the market, where they can be of massive benefit to society."

— President Indira Samarasekera

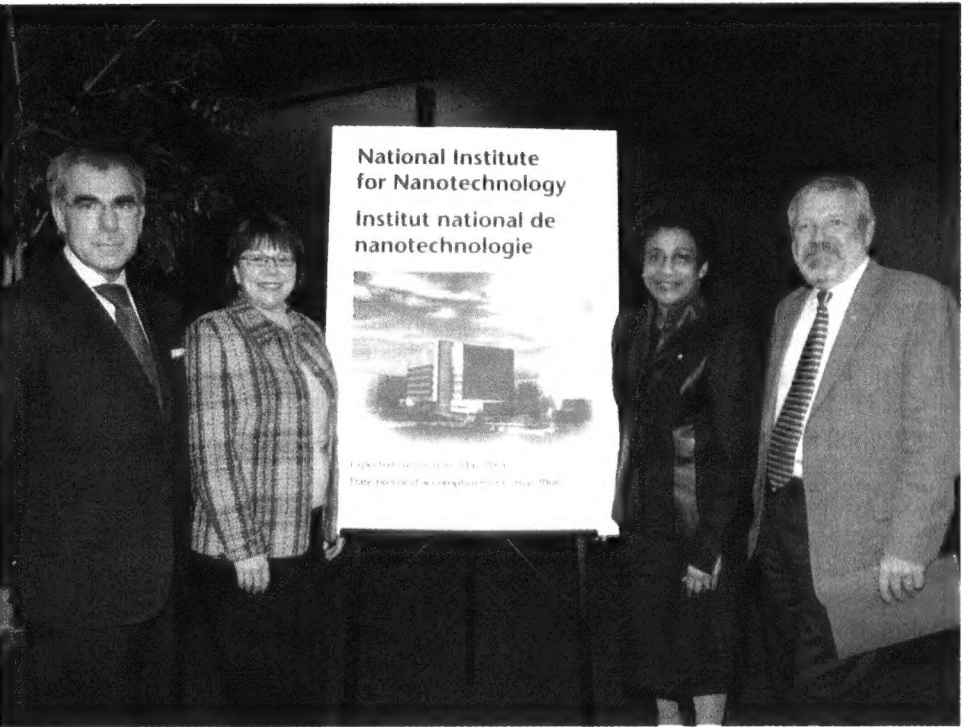
mation and computing technology, energy, and life sciences and medicine.

U of A President Dr. Indira Samarasekera welcomed the announcement.

"This is a visionary decision on the part of the government of Canada to invest in the place and the needed connections to get the products of nanoresearch to the market, where they can be of massive benefit to society," she said. "The facilities located at the University of Alberta will be among the finest in the world."

Samarasekera cited two recent breakthroughs in nanotechnology research that have taken place at the U of A in recent months: the development of cost-effective hand-held tools for cancer detection and treatment through the Alberta Cancer Diagnostic Consortium, and the creation of a prototype molecular transistor that could revolutionize electronic miniaturization.

"As a scientist I am always careful of overstatement, but when it comes to these kinds of breakthroughs, it's difficult to contain one's sense of excitement about the possibilities that the future holds of which we are beginning to see evidence." ■



National Research Council President Dr. Pierre Coulombe, Deputy Prime Minister Anne McLellan, U of A President Dr. Indira Samarasekera and NINT Director General Nils Petersen.

U of A degrees coming to Grande Prairie Regional College

Agreement will allow students to complete education close to home

By Beverly Betkowski

In an effort to enhance programming for their students, the University of Alberta and Grande Prairie Regional College (GPRC) signed a Memorandum of Understanding (MOU) today to explore degree completion opportunities in the areas of arts, education and commerce.

The new programs, including courses and programs in arts and fine arts, will enhance the college's existing degree completion programs in nursing and elementary education.

The agreement will allow the two post-secondary institutions to join forces in helping students stay closer to home while finishing their degrees in Grande Prairie. It provides GPRC with increased opportunity to expand its programming, while the U of A improves access to its degree programs for students in northwestern Alberta.

Third-year classes could potentially begin in the fall of 2006, with fourth year beginning in 2007.

"A post-secondary education is one of the best investments anyone can make in Alberta, whether it's learning a trade or studying at a college or university," said Advanced Education Minister Dave Hancock. "This new arrangement is a great example of the Post-secondary Learning Act working to make new ways for Albertans to access degree-granting programs."

This view was echoed by U of A President Dr. Indira Samarasekera, who added that the MOU will help break down geographic barriers to U of A programs.

"The announcement demonstrates the

"The announcement demonstrates the University of Alberta's commitment to working with the province's northern communities."

— President Indira Samarasekera

University of Alberta's commitment to working with the province's northern communities," said Samarasekera. "Through this agreement with Grande Prairie Regional College we are strengthening a valuable conduit for education, and bringing more University of Alberta programs to post-secondary students who live outside Edmonton."

Grande Prairie Regional College was established in 1966 to meet the post-secondary education needs of the region, and currently serves 2500 students and 140 faculty members.

According to Fletcher Bootle, chair of GPRC Board of Governors, the two post-secondary institutions have had a strong relationship for quite some time.

"Grande Prairie College has had a vibrant transfer program with the University of Alberta for almost 40 years. This brings the relationship to a new level by allowing for degree completion in many programs right here in Grande Prairie, and we are applying for funding to start this in 2006, said Bootle. "This is indeed, an important day in the history of our college." ■

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Office Olympics part of Healthy Workplace Week

Workers can have an impact on workplace environment

By Tom Murray

A healthy work environment can be defined in a number of different ways, and with Healthy Workplace Week just around the corner, the university will be looking at the ways in which it can make the workplace healthier for staff and students alike.

"We spend a lot of our life in the work place," explained Melanie Goroniuk, manager of Health Promotion and Worklife Services at the U of A. "One of the things that we know we need to focus on if we really want people to excel at their chosen career, is the relationships in the workplace – whether they feel recognized, or whether they have control over their work – all the things that feed into a healthy workplace."

Goroniuk says the most satisfied employees are those who are challenged but not overwhelmed by their work, and that a good manager knows how to help a worker strike that balance. "Relationships between worker and supervisor are a definite key to a healthy workplace."

University activities for Healthy Workplace Week, which runs October 24 – 31 include the Welcome Session and Team Competition Kick Off on Monday, October 24 from 10 – 11 a.m. at the Aurora Room in Lister Hall. Registration is at 9:45 a.m., with teams comprised of faculty or department workers vying in a three-event office Olympics, and a week long scavenger hunt.

On Friday, October 28 from 10:30 a.m. – 12 noon Dr. Greg Banwell, executive vice president of Wilson Banwell & Associates Ltd. will facilitate a team effectiveness session, talking about how the principles applied during the competition and scavenger hunt can be applied to building healthy workplaces.

Such activities are a useful way to bring these issues into workplace discussions. Goroniuk is also quick to point out that health in the workplace means more than just eating well or exercising, but also maintaining a measured balance between work and private life.

"The workplace has a tremendous impact on both physical and mental health," she said. "Worklife balance has been talked a lot about not just at the university but in a variety of settings – I think one of the challenges is that many people are driven by the work that they do – it's what they've chosen to do, and they enjoy it. We're now promoting worklife harmony – it's a bit of a different twist to the whole thing."

It's only in recent years that people have begun to understand how the stress of working life can wear down employees, and only in the last few that attempts have been made to identify and target those areas. In its fourth year as an official national celebration, the fledgling Healthy Workplace Week has been readily picked up by organizations like the university, but many people are still getting used to the idea.

"I think we've got a healthy degree of cynicism," Goroniuk readily admits. "People are getting involved in the events, but I think they're also waiting to see change start to happen, so we're encouraging them to step up and do things to make change happen."

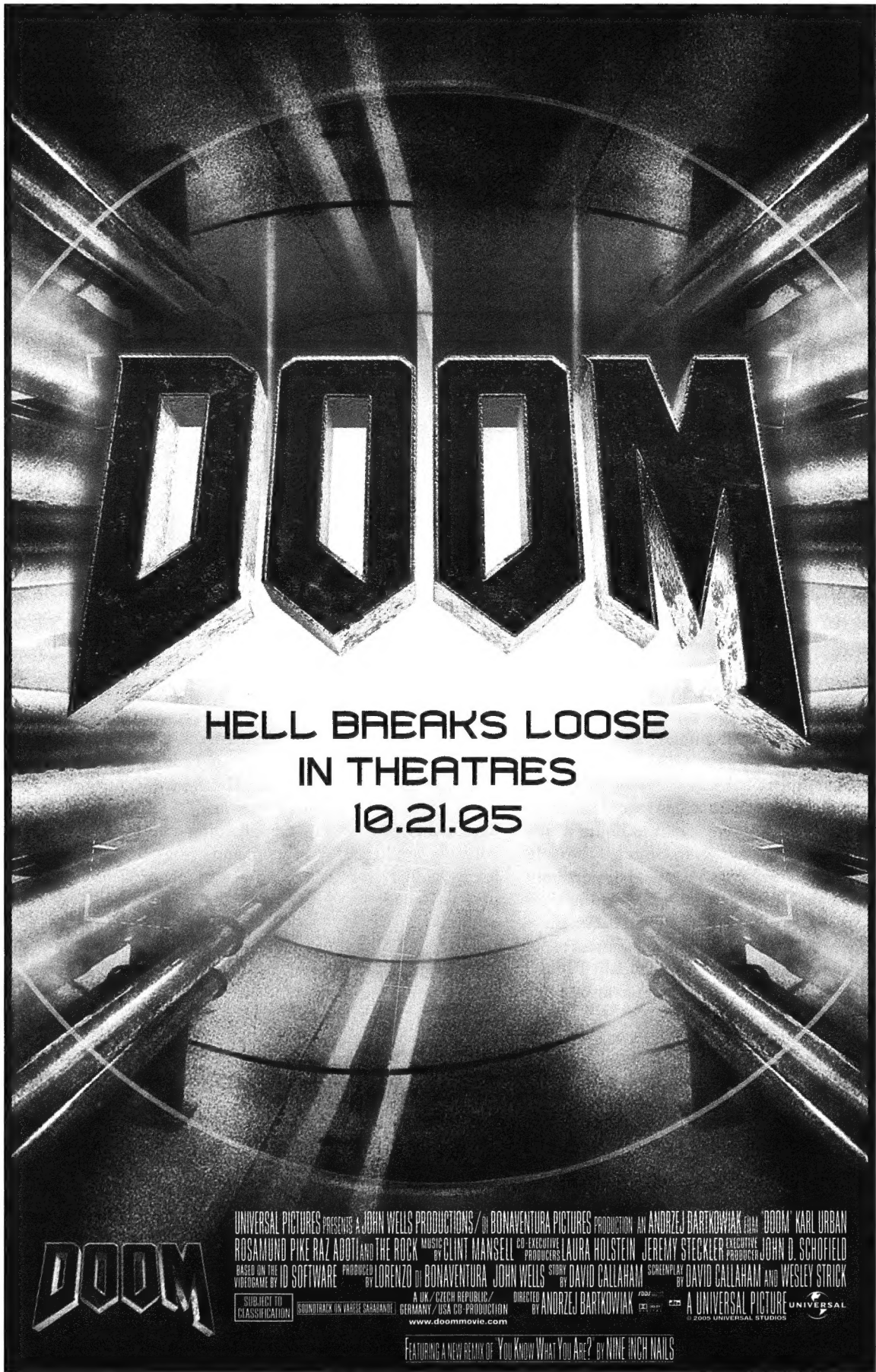
Goroniuk suggests that those interested in influencing change can provide feedback to either herself or to whoever their representative is on the health advisory committee. "We've also got a workplace designate network, so people can put up their hand and say 'I want to be the designate for my area' – we're looking to grow that in the month ahead."

Fully integrating health awareness into the university workplace takes an effort from everyone, says Goroniuk, including those members of the community most affected by it.

"Everyone can be a role model and a leader when it comes to health promotion in their work environment." ■



Melanie Goroniuk



folio display ads work

Display advertisements: Camera-ready artwork is required to size, complete with halftones if necessary. Call 417-3464 for sizes, rates and other particulars.

talks & events

Submit talks and events to Lorraine Neumayer by 12 p.m. Thursday one week prior to publication. **Folio Talks and Events listings will no longer accept submissions via fax, mail, e-mail or phone. Please enter events you'd like to appear in Folio and on ExpressNews at: <http://www.uofaweb.ualberta.ca/events/submit.cfm>.** A more comprehensive list of events is available online at www.events.ualberta.ca.

UNTIL DEC 1 2005

See the Stars at the Astronomical Observatory You are invited to observe stars, planets, galaxies and nebulae at the U of A observatory. We are open every Thursday evening from 8 p.m.- 9 p.m. during the academic year. Free admission, all are welcome. The observatory is outdoors on the roof of the Physics building, so please wear warm clothes. Physics Building: Take elevator to the 6th floor and take stairs to 7th floor.

UNTIL MAR 16 2006

Conserving Biodiversity in Northern Cities Leading researchers from around the globe will be speaking about conservation issues within northern cities. The series is free of charge and open to the public. Registration is not required. 4:30 p.m. Engineering Teaching Learning Complex Room 1-007.

UNTIL OCT 28 2005

Every Friday in October for United Way Campus Saint-Jean will be hosting barbeques for the United Way every Friday in October. Come out and meet your friends from 11:30 a.m. - 1:30 p.m. in the Student Lounge.

OCT 21 2005

Faculty Of Pharmacy And Pharmaceutical Sciences Research Day Keynote Speaker: (9:15-10:00 a.m.) Dr. Ray V. Rajotte, Professor of Surgery and Medicine, Director, Surgical-Medical Research Institute, Director, Islet Transplantation Group, Scientific Director, Alberta Diabetes Insitute (Edmonton, AB) "Islet Transplantation: Past, present and future." Other Podium and Poster Presentations by Faculty Academic Members, Graduate Students, Postdoctoral Fellows, Summer Students and Research Associates. 9:00 a.m. - 5:00 p.m. Telus Centre.

Health Ethics Seminar Culture, Narrative and Health: Observations from Northern Canada. 12:00 p.m. - 1:00 p.m. Room 207, Heritage Medical Research Centre.

University Teaching Services (UTS) Critical Incident Sessions: Legends of the Fall Term Topic: Undue Collaboration Among Students (M) A critical incident is a condensed variation of the traditional case study. The goal of the Critical Incident Sessions is to provide opportunities for discussion around different challenges to teaching at the University. Videotaped vignettes that demonstrate provocative encounters are used as the springboard for discussion. Bring your lunch and UTS will provide the coffee/juice. Pre-registration required. 12:00 p.m. - 1:30 p.m. CAB 219.

Mechanotransduction: how cells know they are stretched? Speaker: Dr. Mingyao Liu, Professor and Associate Dean, Life Sciences, University of Toronto. 3:00 p.m. 207 HMRC.

Physics Colloquium Physics Colloquium Speaker: Mark Jellinek UBC 3:15 p.m. - 4:00 p.m. V128 Physics Building.

Vascular pattern formation in the Arabidopsis leaf Enrico Scarpella, Department of Biological Sciences, University of Alberta is presenting a seminar on "Vascular pattern formation in the Arabidopsis leaf" in M-149, Biological Sciences Building as part of the Genetics 605 Graduate Student Seminar Series. 3:30 p.m.

Pandas Volleyball Pandas vs. Thompson Rivers. At 6:30 p.m. Main Gym, Van Vliet Physical Education and Recreation Centre.

Bears Hockey Bears vs. Calgary 7:30 p.m. Clare Drake Arena, Van Vliet Physical Education and Recreation Centre.

Bears Volleyball Bears vs. Thompson Rivers 8:15 p.m. Main Gym, Van Vliet Physical Education and Recreation Centre.

OCT 22 2005

Cross Country Golden Bear Open, Hawrelak Park.

Strings Master class Strings Master class Visiting Artists Turtle Island Quartet - Jazz 10:00 a.m. - 12:00 p.m. Studio 27 Fine Arts Building.

Pandas Soccer Pandas vs. Trinity Western 12:00 p.m. Foote Field.

Bears Football Bears vs. Simon Fraser 1:00 p.m. Foote Field

Bears Soccer Bears vs. Trinity Western 2:15 p.m. Foote Field.

Bears Volleyball Bears vs. Thompson Rivers 6:30 p.m. Main Gym Van Vliet Physical Education and Recreation Centre.

35th Annual FIJI Pig Dinner The Fraternity of Phi Gamma Delta celebrates 35 years at the University of Alberta. Dignitaries scheduled to attend include Minister of Advanced Education David Hancock and Archon Councillor Bill Miller.

7:00 p.m. U of A Faculty Club.

Turtle Island String Quartet The Turtle Island String Quartet (TSIQ) fuses the classical quartet aesthetic with contemporary American musical styles in a concert OUTSIDE THE LINES. Ranging from Bach to Brubeck, Monk to Ravel, this unusual program showcases the TISQ's improvisational skills and dynamic music making. 8:00 p.m. Convocation Hall.

Pandas Volleyball Pandas vs. Thompson Rivers. 8:15 p.m. Main Gym Van Vliet Physical Education and Recreation Centre.

OCT 22 – OCT 23 2005

Desdemona: A Play about a Handkerchief by Paula Vogel and directed by MFA Directing Candidate Ian Leung What are the ladies in Othello really up to when they're not on stage? A wickedly funny revision of the story from Desdemona, Emilia and Bianca's points of view. Rest assured purists: Shakespeare's original ending remains untouched. Please sign-up on the sheet posted outside the Drama Office (3-146 FAB) after Monday, October 17, to reserve a free seat. 3-125 Fine Arts Building.

In Vitro by Yvan Bienvenue Directed by MFA Directing Candidate Stefan Dzeperoski Benoit, a born again Christian, has brought his young fiancée, street-wise Isabelle, to an isolated cabin in order to escape the world. Francois is waiting for a pizza when his girlfriend calls from a clinic to say she's decided to abort their baby. Knocking out the delivery boy and stealing his car, Francois drives to the clinic, shoots the doctor, shoots his girlfriend, and places the fetal remains in a waste basket. As the play starts, Francois arrives at the cabin, asking Benoit for a mason jar for his son and some tape to secure the shotgun to his arm. What follows are five days of hell. Please sign-up on the sheet provided outside the Drama office (3-146 FAB) after Monday, October 17, to reserve a free seat. 3-125 Fine Arts Building.

OCT 23 2005

Pandas Soccer Pandas vs. UBC. 12:00 p.m., Foote Field.

Bears Soccer Bears vs. UBC. 2:15 p.m., Foote Field.

Centennial Choral Celebration Concert The Centennial Choral Celebration is a merging of choirs from all over Alberta and will hold performances in Edmonton, Lethbridge, and Calgary in celebration of Alberta's Centennial. Our very own Leonard Ratzlaff, Chair, Department of Music, is the Artistic Director for the Centennial Choral Celebration and will conduct a number of massed choir pieces for the Edmonton, Lethbridge and Calgary concerts. At 2:30 p.m., Francis Winspear Centre for Music.

University Symphony Orchestra University Symphony Orchestra Michael Massey, conductor Soloist: Jacques Després, piano Egmont Overture: Beethoven Firebird Suite: Stravinsky Piano Concerto No 2: Brahms 8:00 p.m. Arts Building/ Convocation Hall.

OCT 24 2005

Collaborative Research in the Faculty of Education You are invited to experience the Faculty of Education's Research Day highlighting collaborative research in the Faculty of Education: Building Bridges with Colleagues and Community *Posters *Artistic Displays *Multimedia Presentations *Performances Friday, November 4, 2005 12:00 noon to 5:00 p.m. 4th Floor Lounge / Education North Reception to be held 3:30 - 5:00 p.m. RSVP by Friday, October 28 for reception attendance 4th Floor Lounge Education North Education Centre.

Catalytic and Evolutionary Origins of Triterpenoid Skeletons Department of Chemistry Visiting Speaker lecture presented by Professor Seichi Matsuda, Department of Chemistry, Rice University, Houston, Texas 11:00 a.m. - 12:00 p.m. V-107 Physics Wing.

University Teaching Services (UTS) Making the Most of Taking Risks With Innovative Learning Tasks (I) By pushing mainstream boundaries and exploring creative, unique, discipline-appropriate opportunities, instructors have opportunities to spice up the monotony of lecture-style classes. This session shares the insights gained from taking an innovative idea into practice and provides strategies for learning from innovation. Presenter: Ross Mitchell, Alberta Research Council Pre-registration required. 3:00 p.m. - 4:30 p.m. CAB 243.

University of Alberta United Way Campaign Early Bird Draw Everyone donating to the University of Alberta United Way Campaign by October 21 will be eligible to win a two-night bed and breakfast package at the Delta Kananaskis

Lodge. 4:00 p.m. 6-73 General Services Building.

The University of Alberta and Grant MacEwan College Jazz Bands The University of Alberta and Grant MacEwan College Jazz Bands Tom Dust and Raymond Baril, Directors An Evening of Big Band Jazz 8:00 p.m. Arts Building/ Convocation Hall.

OCT 25 – 28 2005

Arts Based Research Visiting Scholar - Jon Prosser Three Presentations Exploring: Image-Based Research by Distinguished Visitor Jon Prosser, Senior Lecturer, International Educational Management, University of Leeds. October 25: Situated Visual Ethics; October 28: The Visual Culture of Schools; October 27: Visual Mediation of Critical Illness: An autobiographical account of Nearly Dying and Nearly Living. For more information contact: Michael Emme memme@ualberta.ca or www.uofaweb.ualberta.ca/education//pdfs/Lasprosserposter.pdf.

OCT 25 – NOV 5 2005

This Will Hurt Me More Than it Hurts You - Paul Freeman MFA Drawing and Intermedia This exhibition is the final visual presentation for the degree of Master of Fine Arts in Drawing and Intermedia. Gallery, 1-1 Fine Arts Building.

OCT 25 2005

Visiting Speaker Seminar: Diet vs. Drugs to Control Chronic Disease Dr. David Jenkins, Canada Research Chair in Nutrition and Metabolism, University of Toronto. 11:00 a.m.

Deciphering the organization of spinal locomotor networks using a combination of genetics and physiological techniques Speaker: Dr. Simon Gosgnach, Postdoctoral Fellow, Department of Molecular Neurobiology, Salk Institute for Biological Studies. 3:00 p.m. 207 HMRC.

AFNS SEMINAR SERIES - Charting the Future of Agriculture Jay Bradshaw, CEO, Syngenta Crop Protection, Guelph, Ontario will present "The Current and Future State of Global Agribusiness" the first of the Two Part AFNS Seminar Series on October 25th. On October 27, Dr. John Hodges of Lifestock Production Science in Mittersill, Austria, will present "Sustainable Agriculture and Food are now at Risk." Both Seminars are being held at 3:30 p.m. - 4:30 p.m. in ETLC E-1017.

University Teaching Services (UTS) PowerPoint Animations (S) Animations can enhance or detract from your message. This hands-on session works with the possibilities for animation in a PowerPoint presentation and cautions on the problems associated with adding animation just because you can! Limited computer workstations available; first come, first seated. Presenter: Kevin Moffitt, Technology Training Centre Pre-registration required. 5:00 p.m. - 6:00 p.m. Technology Training Centre.

OCT 26 2005

PHS Grand Rounds Dr Yutaka Yasui, Professor, Department of Public Health Sciences. "Biostatistical Methods for Biomarker-Discovery Studies Based on High-Dimensional Gene/Protein Expression Profiles." 12:00 p.m. - 1:00 p.m. Room 2-117, Clinical Sciences Building.

University Teaching Services (UTS) Teaching Dossier Preparation. What is a teaching dossier and what kind of supportive documentation should it contain? Why are some University of Alberta departments placing greater importance on teaching dossiers? The aim of this workshop is to answer these questions and provide an opportunity for participants to start to create their own personalized dossier. Presenter: Margaret Wilson, University Teaching Services Pre-registration required. 3:00 p.m. - 4:30 p.m. CAB 243.

Trumpet Master Class Trumpet Master class Visiting Artist Ole Antonsen. 7:00 p.m. - 9:30 p.m. 1-29 Fine Arts Building.

Visiting Lectureship in Human Rights - Irene Khan The first woman and the first Asian to lead the world's largest human rights organization, Irene Khan, secretary general of Amnesty International, will deliver the University of Alberta Visiting Lectureship in Human Rights. Always keen to draw attention to hidden human rights violations wherever they occur, Khan has dedicated her life to working directly with people to improve their lives. After more than twenty years of working in the field of international law and human rights, Khan was named the seventh secretary general of Amnesty International in 2001, its 40th anniversary. Tickets for the lecture are available at Ticketmaster. 7:30 p.m. Myer Horowitz Theatre.

OCT 27 2005

Strings Master Class Visiting Artist Scott St

John, violin/viola. 10:00 a.m. - 12:00 p.m. Studio 27, Fine Arts Building.

Health Law Institute Seminar Series Patient Safety: Individual and Systemic Causes of Medical Error and the Need for Reform Speaker: Michael Waite, graduate student, Faculty of Law. 12:00 p.m. - 1:00 p.m. Room 231 Faculty of Law.

University of Wollongong Guest Speakers Barbara Nicholson: "A Narrative Concerning the Dolorous State of Sorrow" and Gerry Turcotte: "Nations and their Ghosts" Barbara Nicholson is an Indigenous elder of Wadi Wadi people. Gerry Turcotte is a poet and novelist. He is currently Head of the School of English Literatures, Philosophy and Languages at the University of Wollongong. 2:00 p.m. HC L-3.

"Barriers to Implication Gillian Russell Killam Fellow Department of Philosophy University of Alberta 3:30 p.m. Humanities Centre 4-29.

AFNS SEMINAR TWO PART SERIES - Charting the Future of Agriculture AFNS SEMINAR TWO PART SERIES presents Dr. John Hodges, Livestock Production Science, Mittersill, Austria with a presentation entitled: 'Sustainable Agriculture, and Food are now at Risk' on October 27, 2005. Refreshments to follow from 5:00pm to 6:30pm This presentation is open to the Public! 3:30 p.m. - 4:30 p.m. ETLC E-1017 University of Alberta.

Conserving Biodiversity in Northern Cities Dr. Richard Forman, Harvard University "Using Principles of Landscape Ecology in Solutions for Road Systems and Urban Regions" 4:30 p.m. - 5:30 p.m. ETLC 1 007.

OCT 28 – 30 2005

Institut fur Theaterwissenschaft (LMU, Munich, Germany) presents Kurt Schwitters' Ursonate A group of German theatre students and professors from Munich's Ludwig Maximilians University (LMU) visit the University of Alberta's Department of Drama to present their internationally acclaimed production of Kurt Schwitters' Ursonate in the Second Playing Space, Timms Centre for the Arts, October 28 and 29 at 8 p.m. and October 30 at 2:30 p.m. Professors interested in bringing their classes should contact Joyce Belanger, joyce.belanger@ualberta.ca. Tickets are \$10/\$6 students, available through TIX on the Square 420.1757, www.tixonthesquare.ca. Second Playing Space Timms Centre for the Arts.

OCT 28 2005

University Teaching Services (UTS) Faculty Brown Bag Lunch Session. The goal of the Faculty Brown Bag Lunch sessions is to provide opportunities for scholarly exchanges. The informal forum allows instructors from different disciplines to share teaching challenges, ideas, and experiences within our changing University. Bring your lunch and UTS will provide the coffee/juice. Topic: Action Research and Teaching: A Case Study (S) Participatory action research is frequently used in higher education because it links practice and the analysis of that practice into a productive sequence where what is learned is carried through to teaching and learning strategies during the process of the research. This session explains an action research project that examined the teaching strategies used to enhance learning among an interdisciplinary team of students. Facilitators: Brenda Cameron, Nursing Lynette Lutes, Capital Health Pre-registration required. 12:00 p.m. - 1:00 p.m. CAB 219.

Piano Masterclass Piano Masterclass Visiting Artist Helmut Brauss 3:00 p.m. Studio 27 Fine Arts Building.

A curious story about a peculiar gene: Why do tumorigenic poxviruses encode catalytically-inactive homologs of Cu-Zn SOD1? David Evans, Medical Microbiology and Immunology, University of Alberta is presenting a seminar on "A curious story about a peculiar gene: Why do tumorigenic poxviruses encode catalytically-inactive homologs of Cu-Zn SOD1?" Friday, October 28, 2005 in M-149 of the Biological Sciences Building. 3:30 p.m.

Pandas Basketball Pandas vs. Saskatchewan. 6:30 p.m. Main Gym Van Vliet Physical Education and Recreation Centre.

Pandas Hockey Pandas vs. Lethbridge 7:00 p.m. Clare Drake Arena, Van Vliet Physical Education and Recreation Centre.

Music at Convocation Hall I Music at Convocation Hall I Marina Hoover, cello Patricia Tao, piano Scott St John, violin Celebration of Shostakovich's 100th birthday Trio, No 1, Op 8 Trio, No 2, Op 67 Trio in A Minor, Op 50: Peter Ilyitch Tchaikovsky. 8:00 p.m. Arts Building/ Convocation Hall.

Bears Basketball Bears vs. Saskatchewan. 8:15 p.m. Main Gym, Van Vliet Physical Education and Recreation Centre.

The Tempest by William Shakespeare
Directed by MFA Directing Candidate Andrea Boyd Be not afeard, the isle is full of noises, sounds, sweet airs, that give delight, and hurt not...please sign-up on the sheet posted outside the Drama Office (3-146 FAB) after Monday, October 24th to reserve a free seat. Media Room/1-63 Fine Arts Building.

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Bears Basketball Bears vs. Saskatchewan 8:15 p.m. Main Gym Van Vliet Physical Education and Recreation Centre.

Age Group	Total (%)	Male (%)	Female (%)	Male (%)	Female (%)
18-24	15	10	20	10	20
25-34	25	15	35	15	35
35-44	35	25	45	25	45
45-54	45	35	55	35	55
55-64	55	45	65	45	65
65-74	65	55	75	55	75
75+	75	65	85	65	85

University Teaching Services (UTS)
Sequencing Learning (C) What difference does the order of texts and activities make to student learning? This workshop examines some print passages, a film clip, an informational reading, and a lecture snippet to consider optimal ordering of texts for student understanding. While the examples will come from the humanities, links to the sciences will be encouraged too. Bring your examples of concepts and problems that your students find hard to learn. Presenter: Margaret Iveson, Secondary Education Pre-registration required. 3:30 p.m. - 5:00

Losing Community: When the Lesbian Poster Family Breaks Up The 2005/06 Inside/OUT Speakers' Series proudly presents the following special guest presentation: "Losing Community: When the Lesbian Poster Family Breaks Up" Presented by Dr. Katherine Allen, Professor of Family and Women's Studies, Virginia Polytechnic Institute Abstract In this paper, I apply a critical postmodern analysis of why legal marriage, divorce, and child custody arrangements constitute important political strategies for invisible families. 5:00 p.m. - 6:00 p.m. 7-152 Education North Education Centre.

Henrik Ibsen and His Anarchism Professor Emeritus Erik M. Christensen (Humboldt University, Berlin) will give a lecture titled *Henrik Ibsen and His Anarchism*. A reception will follow in the Arts Faculty Lounge (320 Arts Building). Everyone is welcome. 7:30 p.m. Senate Chamber, 326 Arts Building.

Louis D. Hyndman Sr. Lecture and Awards
The Louis D. Hyndman Sr. Award is presented annually by the Office of the Vice-President (Research) in recognition of significant contributions to improving the welfare of animals used in research, teaching and testing at the University of Alberta. 1:00 p.m. - 5:30 p.m. Maple Leaf Room, Lister Conference Centre.

Micromachining and Microanalysis
Applications Using Microjoule Laser Plasmas Dr. Robert Fedosejevs C.R. James/MPBT/NSERC Senior Industrial Research Chair Department of Electrical and Computer Engineering, University of Alberta
 Abstract Laser produced plasmas have a growing range of application areas in material processing and analysis. Demand for such techniques with micron scale size resolution is increasing with the growth of microelectronic, MEMS, integrated optical, microfluidic and biophotonic applications. 2:30 p.m. - 4:00 p.m. 2-001 Natural Resources Engineering Facility. Markin/CNRL

University Teaching Services (UTS) The Scholarship of Teaching and Learning (C) University teaching is informed by our research, in whatever field. Sometimes, though, our teaching can be served even better by turning our research and critical tools onto our own practice. The Carnegie Academy for the Scholarship of Teaching and Learning (CASTL) is devoted to exploring the application of scholarship to university teaching. David Geelan is a 2005 Carnegie Scholar. He will describe some approaches to professional self-study, using illustrations from his own practice, and there will be plenty of time for questions and discussion. Secondary Education Pre-registration required. 3:30 p.m. - 5:00 p.m. CAB 239.

Rural Economy and Alberta Agricultural Economics Association Seminar Kathy Baylis, Assistant Professor, Food and Resource Economics, University of British Columbia. "What's Behind EU Ag-Environmental Programs: Pollution or Politics? Lessons and Trade Implication for Canada." Friday, November 4, 3:00 p.m. Room 550 General Services Bldg. 3:00 p.m.

Genetic interactions that regulate Dab1 function and brain development Brian Howell, National Institutes of Health, Bethesda, Maryland is presenting a seminar on "Genetic interactions that regulate Dab1 function and brain development" as part of the Genetics 605 Graduate Student Seminar Series. 3:30 p.m. M-149, Biological Sciences Building.

Managing sport policy agendas: The problem with problems You are cordially invited to attend a special presentation by Dr. Michael Sam, lecturer in sport management and sport policy from the University of Otago in New Zealand. Everyone is welcome to attend! Event hosted by Dr. Jay Scherer, Faculty of Physical Education and Recreation 3:30 p.m. - 4:30 p.m. E-121 Van Vliet Physical Education and Recreation Centre.

Apparently Worried About Being Seen As Soft On Youth Crime? Crafted A Law That May Well Reduce The Level Of Punitiveness While Simultaneously Developing A Communications Strategy That Suggested The Opposite. Talk by Timothy Harfield This paper seeks to re-establish a place for metaphysics in social scientific thinking through a close reading of the works of Italian social thinker Giambattista Vico (1668-1744). Drawing on affinities between Vico and Jacques Lacan, as well as phenomenologists Emmanuel Levinas and Jean-Luc Marion, this paper looks at Vico's critique of the Enlightenment's preoccupation with Being, as well as his account of the hypostatic moment that marks the origin of human subjectivity. 4:00 p.m. Torv 5-15.

Pandas Volleyball Pandas vs. UBC. 6:30 p.m. Main Gym, Van Vliet Physical Education and Recreation Centre.

Bears Volleyball Bears vs. UBC 8:15 p.m. Main Gym, Van Vliet Physical Education and Recreation Centre.

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“Exam Strategies” Do you know how to start studying and what to study? Get answers to these questions as well as learn how to study for and take multiple choice, short answer, essay and problem solving exams. This is a great workshop for new students and students who want to “gain an advantage” for exams. Pre-register at the Academic Support Centre 2-703 Students’ Union Bldg. 9:00 a.m. - 12:00 p.m. 2-702 Students’ Union Building (SUB).

“Effective Class Presentations” Do you have to make a presentation in one of your courses? Learn how to prepare for and deliver awesome presentations, effectively manage group work, and reduce speaker’s anxiety. Pre-register at the Academic Support Centre 2-703 Students’ Union Building (SUB). 1:00 p.m. - 3:00 p.m. 17 Humanities Centre.

“Study Strategies” Do you know how to get through all your course work and actually learn something? Discover practical time management, note-taking, reading and memory strategies that will help you study more effectively at University. Bring your study questions and get the answers you are looking for! Pre-register at the Academic Support Centre 2-703 Students' Union Building (SUB). 1:00 p.m. - 4:00 p.m. 2-702 Students' Union Building (SUB).


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The Ethics of Immigration Law: Are Controls on Who Can Live & Work in Canada Justifiable?
Dr. Adam Morton, Canadian Research Chair and Professor, Philosophy 2:00 p.m. - 3:30 p.m. Stanley A. Milner Library (Basement in the Edmonton Room) 7 Sir Winston Churchill Square.

Bears Volleyball Bears vs. UBC. 6:30 p.m. Main Gym Van Vliet Physical Education and Recreation Centre.

Pandas Volleyball Pandas vs. UBC. 8:15 p.m. Main Gym Van Vliet Physical Education and Recreation Centre.

NOV 7 2005

Campus Security Services 2nd Annual Doughnut Day Back by popular demand is Campus Security Services Donut Day. Campus Security Services will personally deliver a dozen or more succulent Krispy Kreme doughnuts to you and your office for only \$7.00 a dozen. Campus Security members will be taking orders starting October 24 until noon November 4. Watch for further details on preordering by telephone and online. All proceeds to the United Way. Campus Security Services.

Abraham and Isaac: The Religious Suspension of the Ethical (Derrida, Kierkegaard, Leavis and Conrad) This is the third in a series of four lectures by Garry Watson, Professor of English, on the topic "Rethinking Religion and Where We Stand in Relation to It." 3:00 p.m. Humanities Centre L-4.

NOV 8 2005

Mutations in the S4 voltage sensor at a shaker potassium channel recover a delayed rectifier phenotype Tara Klassen, PhD Candidate (Gallin), Department of Biological Sciences, University of Alberta is presenting a seminar on "Mutations in the S4 voltage sensor at a shaker potassium channel recover a delayed rectifier phenotype" 12:00 p.m. T 1-90, Tory.

University Teaching Services (UTS) The Psychology of How to Write Exams. What do we know about exam writing and performance from a research perspective? Usually students make decisions about their performance on examinations based on three components: knowledge of course material, level of confidence, and the presence or absence of anxiety. Research has identified a number of other explanatory factors that affect performance both directly and indirectly. Discussion of this information may surprise and inform you. Presenter: Karen Kovach, Academic Support Centre Pre-registration required. 3:30 p.m - 5:00 p.m. CAB 239.

NOV 9 2005

Ancillary Services University Cookbook Top Tastes of The Favourites From Friends Favourites from Friends launch date is November 8 at the Top

positions

The records arising from this competition will be managed in accordance with provisions of the Alberta Freedom of Information and Protection of Privacy Act (FOIPPA). The University of Alberta hires on the basis of merit. We are committed to the principle of equity of employment. We welcome diversity and encourage applications from all qualified women and men, including persons with disabilities, members of visible minorities, and Aboriginal persons. With regard to teaching positions: All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority. For complete U of A job listings visit www.hrs.ualberta.ca.

VARIOUS POSITIONS AUGUSTANA FACULTY UNIVERSITY OF ALBERTA

The University of Alberta's new Augustana Faculty has embarked on a dynamic, multi-year program of renewal and growth. It invites applications in the disciplines indicated below and expects to make appointments in some of those disciplines, at the rank of Assistant Professor, commencing July 1, 2006. All appointments are subject to budgetary approval.

For all positions, the ability to contribute to areas of interdisciplinary strength and interest for the Faculty will be an asset. Those areas include environmental studies, international development studies, rural and northern studies and women's studies.

For information about Augustana and particular programs, please consult the Faculty website at www.augustana.ca. Inquiries concerning any of the positions in this advertisement should be directed to the chair of the relevant department.

ART (STUDIO)

The Department of Fine Arts invites applications for a position in art studio. This position requires a generalist with an MFA in a studio discipline (or equivalent) to teach a broad range of studio practices for an art program within a liberal arts degree program. This program concentrates on traditional practices within a contemporary milieu and seeks connections to a wide array of inquiry. Foundation studies will form the core of this position, but it

Tastes of the Favourites from Friends Event. This is a preview event of the best recipes from the cookbook that Ancillary Services is putting together as one of the United Way projects. Maple Leaf Room, Lister Centre, 11:00 a.m. - 1:00 p.m. on November 8 and will feature, along with other wonderful selections, the CAB Tuck Shop, Cinnamon Buns. The event will be similar to the taste of Edmonton so you can eat big or small. Tickets will be available for advanced purchase from HUB Mall Administration, Lister Hall Reception. Tickets \$6. Ancillary Services.

SSHRC Transformation Plan and Ramifications for Researchers The U of A vice-president (research) has invited Christian Sylvain, Director of Corporate Policy and Planning, to visit the University of Alberta on November 9 to conduct a presentation on SSHRC's new strategic plan, focusing on changes in funding programs. This is an excellent opportunity for researchers and administrators to ensure that they are aware of important changes in SSHRC. This workshop is open to the University community. Those who would like to attend should confirm online at the Learning Shop. 2:00 p.m. - 4:00 p.m. 2104 Dentistry/Pharmacy Centre.

Sacrifice as Matricide (Julia Kristeva and Martha Reineke) This is the fourth and final lecture in a series by Garry Watson, Professor of English, on the topic "Rethinking Religion and Where We Stand in Relation to It." A reception will follow this final lecture. Humanities Centre L-4.

NOV 10 2005

Chocolate Covered Almonds and Top Tastes of the Favourites From Friends Ticket Sales Ancillary Services staff will be selling chocolate covered almonds and tickets at the following locations over the noon hour: Lister Hall, October 17, October 31, November 7 CAB, October 19, 26, November 2, November 9 Students' Union, October 21, 28, November 4, November 10 various locations.

NOV 10 - 13 2005

Pandas Soccer CIS National Championship. Foote Field.

NOV 11 2005

Pandas Volleyball Pandas vs. Saskatchewan 3:30 p.m. Main Gym Van Vliet Physical Education and Recreation Centre.

Pandas Basketball Pandas vs. Calgary 6:30 p.m. Main Gym Van Vliet Physical Education and Recreation Centre.

Pandas Hockey Pandas vs. Saskatchewan 7:00 p.m. Clare Drake Arena Van Vliet Physical Education and Recreation Centre.

Bears Basketball Bears vs. Calgary 8:15 p.m. Main Gym Van Vliet Physical Education and Recreation Centre.

will also include introductory and senior courses in drawing, painting, sculpture, and digital media. Candidates must demonstrate a versatile teaching ability that can address students at diverse stages of artistic awareness and proficiency in descriptive drawing methods. Post-secondary teaching experience is essential and secondary teaching experience would be an asset. Candidates should also have an active studio practice in one of the aforementioned areas. Opportunities for interdisciplinary teaching are available, so scholarly knowledge and experience in aesthetics, theory, history and contemporary developments in the art world would be an asset. Chair: Keith Harder (keith.harder@ualberta.ca).

BIOLOGY

The Department of Science invites applications for a position in Biology. The successful candidate will have a PhD in either Microbiology or Molecular Biology and will be expected to teach courses in both areas. Applicants should be interested in helping to build a high-quality, student-friendly, teaching-oriented biology program that also recognizes the value of research. Chair: Dr. Neil Haave (neil.haave@ualberta.ca).

ECONOMICS/MANAGEMENT

The Department of Social Sciences invites applications for a tenure-track position that involves teaching in both the Economics and Management programs. While any area of specialization will be considered, preference will be given to candidates whose teaching interests include Industrial Organization and Public Finance,

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- racial discrimination;
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- unfair treatment because of sexual orientation;
- lack of accessibility to university buildings and resources;

Contact the Office of Human Rights

Room 289 Central Academic Building (CAB)
Phone and TTY: 492-7325
human.rights@ualberta.ca
www.ualberta.ca/~hurights



UNIVERSITY OF ALBERTA

UNITED WAY CAMPAIGN



2nd Annual Campus Security Services

Doughnut Day

Campus Security Services is raising dough for the United Way

How about a box of Krispy Kreme doughnuts delivered fresh by Campus Security Services - just in time for coffee.

Monday, November 7, 2005

Delivery begins at 10:00 a.m.



Campus Security Services will personally deliver a dozen (or 2) succulent Krispy Kreme doughnuts to you and your mates for only \$7.00 a dozen (cash only please).

Preorder by calling 492-8782 or by filling in our online order form at www.cps.ualberta.ca. Campus Security members will also be out in the community taking orders during their regular patrols until Friday noon, November 4.

Orders will be taken between October 24 and 12 noon November 4, 2005

UNIVERSITY OF ALBERTA VISITING LECTURESHIP IN HUMAN RIGHTS

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Stollery Charitable Foundation

WEDNESDAY **OCTOBER 26** 2005

7:30 PM MYER HOROWITZ THEATRE

SECRETARY GENERAL **IRENE
KHAN**
AMNESTY INTERNATIONAL

INFO www.ualberta.ca/~lecture TICKETS: \$10. AVAILABLE AT TICKETMASTER. REAL-TIME CAPTIONING AND SIGN INTERPRETATION PROVIDED. WHEELCHAIR ACCESSIBLE.

and who can contribute to the development of a relatively new Management program. Applicants should hold a PhD in Economics, Finance, or Business, or be close to completion of that degree. An additional full-time, term-limited appointment in Management is also being contemplated. Chair: Dr. Jeremy Mouat (jeremy.mouat@ualberta.ca).

ENVIRONMENTAL SCIENCE/STUDIES

The Department of Science invites applications for a position in Environmental Science/Studies. The successful candidate will contribute to two proposed interdisciplinary programs, a B.Sc. in Environmental Science and a BA in Environmental Studies. Candidates should be able to teach GIS, statistics, and senior courses in a specialty area. Ability to teach related environmental courses (e.g., resource management, freshwater systems, field methods, history, or politics) would be an asset. Applicants should possess or be near completion of a PhD in Environmental Science/Studies, Geography or related field. Chair: Dr. Neil Haave (neil.haave@ualberta.ca).

MUSIC

The Department of Fine Arts invites applications for a tenure-track position in Music. Teaching duties include undergraduate courses in two of the following three areas: music history, music theory and ethnomusicology. Depending on the successful candidate's background, courses in music composition, women's studies or interdisciplinary studies may also be available. Preference will be given to those with excellent teaching skills, proven records of success in teaching undergraduate students, and an interdisciplinary orientation in research and teaching. Candidates should have expertise and interest in introducing to undergraduate students a variety of music (classical, popular, world) and contemporary critical perspectives. A completed PhD or equivalent is the minimum academic qualification. Chair: Keith Harder (keith.harder@ualberta.ca).

PHILOSOPHY

The Department of Humanities invites applications for a position in Philosophy. The successful candidate will become the fourth member of a new degree program in Philosophy and Religion. The candidate should have expertise in at least one area of the history of philosophy and be competent to teach a variety of undergraduate classes, including introductory courses and critical thinking. The ability to teach a course in Philosophy and the Environment will be an asset. Applicants should hold a PhD or be close to completion of that degree. Chair of Humanities: Dr. Paul Harland (paul.harland@ualberta.ca).

PHYSICAL EDUCATION

The Department of Physical Education invites applications for a position in exercise sciences. The successful candidate will be one of five faculty members in a Physical Education undergraduate degree program that covers two streams: Kinesiology and Sport Studies and Outdoor Education. Applicants should be interested in helping to develop a teaching-oriented exercise sciences program that also recognizes the value of research. In particular, research interest in the area of fitness and aging will be an asset. The candidate should have expertise in at least two areas of exercise sciences and be competent to teach a variety of undergraduate classes such as human anatomy, exercise physiology, advanced training methodologies, biomechanics and human physiology. Applicants should possess or be near completion of a PhD. Chair: Yvonne Becker (yvonne.becker@ualberta.ca).

All appointments will be made at the rank of Assistant Professor. The current salary scale begins at \$53,580; the benefit package is comprehensive. Applicants should submit curriculum vitae, including evidence of successful teaching and samples of scholarly work, and arrange to have transcripts and three confidential letters of reference sent to:

Dr. Roger Epp, Dean (Acting)
Augustana Faculty, University of Alberta

4901-46 Avenue, Camrose, AB, T4V 2R3
Email: Roger.Epp@ualberta.ca
Consideration of applications will begin as early as January 4, 2006.

ASSISTANT SPECIAL COLLECTIONS LIBRARIAN BRUCE PEEL SPECIAL COLLECTIONS, HUMANITIES AND SOCIAL SCIENCES LIBRARY

UNIVERSITY OF ALBERTA LIBRARIES

The University of Alberta Libraries, with a long tradition of service excellence to the University and its communities, seek a dynamic individual to join the Bruce Peel Special Collections Library staff. Bringing a strong background in the humanities, allied arts and sciences, and their bibliographic heritage, the successful candidate will provide the following services: interpreting collections and providing reference service for faculty, students, and visitors; managing and developing collections; providing faculty liaison in selected subject areas; developing and curating exhibitions; drafting, editing, and producing exhibition guides and catalogues; ensuring the security and conservation of special collections; as well as donor cultivation and stewardship with a strong commitment to external community involvement.

Qualifications include a Masters in Library Science degree from an accredited library school, or equivalent professional program; two years of relevant experience; an academic background and/or library experience in the humanities in addition to knowledge of analytical/descriptive bibliography and research methods; a strong service orientation; superior instructional, communication, and writing skills; excellent information management skills; a commitment to collegiality and seeking cooperative solutions. Familiarity with one or more foreign languages, the antiquarian book trade, and an additional, advanced degree in a related field are also highly desirable.

This tenure-track position is classified at the Librarian I level with a current salary range of \$45,447-87,095. Librarians at the University of Alberta have academic status and participate in a generous benefits program. Closing date for applications is Friday, October 28th, 2005. To apply, please mail, fax, or e-mail your letter of application, résumé, an additional sample of your writing (published or unpublished), and the names and addresses of three referees to:

Karen Adams, iirector of Library Services and Information Resources, Cameron Library, University of Alberta, Edmonton, Alberta T6G 2J8, Fax: (780) 492-8302, Email: karen.adams@ualberta.ca.

ASSISTANT PROFESSOR DEPARTMENT OF SOCIOLOGY UNIVERSITY OF ALBERTA

The Department of Sociology invites applications for a tenure-track position in Criminology at the Assistant Professor level, commencing July 1, 2006. The benefits package is comprehensive. A PhD is required at the time of appointment. The successful candidate will demonstrate a strong record/outstanding potential for research in the area of criminology/socio-legal studies and have excellent communication and teaching skills and leadership potential. Applicants should submit a letter of intent, curriculum vitae, teaching dossier and arrange for three confidential letters of reference to be sent by November 15, 2005 to:

Dr. R. A Sydie, Professor and Chair, Department of Sociology, University of Alberta, Edmonton, Alberta Canada T6G 2H4, Fax: (780) 492-7196

For additional information, Sociology website is at www.arts.ualberta.ca/socweb/

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.

notices

Please send notices attention Folio, 6th floor General Services Building, University of Alberta, T6G 2H1 or e-mail public.affairs@ualberta.ca. Notices should be received by 12 p.m. Thursday one week prior to publication.

UNTIL OCTOBER 30 2005

CROSS-CULTURAL STUDY VOLUNTEERS NEEDED We are conducting a cross-cultural study (Italy and Canada) to learn more about what young people think, know and feel about AIDS. If you are 18 - 25 years old and you would like to give us your opinion, you may participate in one of our online discussion groups (participation will be anonymous!). It would be a great opportunity to share opinions! If you are interested or if you have any questions, please contact us at 492-6413 or guendalina.graffigna@unicatt.it. International Institute of Qualitative Methodology, University of Alberta.

INTERNATIONAL PARTNERSHIP FUND

The "International Partnership Fund" (IPF) was established to support University of Alberta faculty and staff participating in exchange activities with the university's many partner institutions around the world. The IPF aims to facilitate projects

that will help develop sustainable relationships between the University of Alberta and partner institutions. The funds may be used for travel by either the U of A staff member or a visitor from the partner institution for support of the development of activities with the partner, short-term visits for joint research collaboration, or other worthwhile academic purposes. Support from the IPF will ideally complement support from the applicant's faculty or department, and the institution to which they propose to go. Note: The IPF only applies to those institutions with which the U of Alberta has formal agreement.

Guidelines, application forms and list of partner institutions may be obtained from University of Alberta International website at: <http://www.international.ualberta.ca/> or by calling the International Partnership Fund secretary at 492-5840. Application deadline: Tuesday, November 1, 2005

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Exquisite 2 bedroom, 2 bathroom in popular building. Hardwood floors, berber in bedrooms. Two full baths, laundry in-suite, amenities. For details call Janet Fraser 441-6441. Gordon W.R. King & Associates.

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RIVER VALLEY VIEW from this brand new exec 3 storey townhouse with hardwood floors, designer kitchen, gas stove, every upgrade you could imagine! Call Janet Fraser 441-6441. Gordon W.R. King & Associates Real Estate.

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SABBATICAL HOUSE – Furnished 3 bedroom 2 blocks from campus, available 4-6 months starting Jan 2006. (780) 437-1002 sue.hannon@ualberta.ca \$1,200/mo.

3 + 2 BEDROOM FULLY FURNISHED 1,140 SQ FT BUNGALOW – With two full baths for rent. Oversized single garage on large landscaped lot. Located in well known Laurier Heights – 15 min from UofA. Close access to public transport 14415 – 78th Ave. House newly renovated. Non-smokers only and no pets please. Suitable for visiting professor – alone or with family. Available October/May. Rent negotiable plus utilities. Call Redford Property Mgmt – Pam 459-7153.

VICTORIA VACATION – 1 bedroom furnished downtown condo with parking. Walk to harbor + shops \$500/wk monthly discount 461-0014.

RIVERBEND THE HEARTHSTONE – 3 bdrm 2 storey townhouse fully furnished. Oct 15/05 to Apr 15/06 approx. \$1,000/month base rent call Janet 441-6441 (Gordon W.R. King & Assoc.)

VALLEYVIEW NEW EXEC CONDO – 2 bed plus den open concept windows everywhere. 142 Street and 96 Avenue \$1,600 mo. Nov 1, 2005 Janet Fraser 441-6441 Gordon W.R. King & Assoc. Real Estate.

WINDSOR PARK BUNGALOW FOR RENT. 2,234 sq.ft. 2 baths, 3 bedrooms, expansive living rooms, large kitchen, sunroom, deck, 2 fireplaces, double heated garage, across from Edinboro Park, walking distance to U of A, trails, river valley, LRT, available Dec. 01/05. \$1,750.00 914-4053.

HOUSE FOR RENT – NOVEMBER 1, 2005 3 blocks south of University. 2+1 bedrooms, unfinished basement. Recent renovations. \$1,000/month. References 438-5480.

HOUSE FOR RENT – DECEMBER 1, 2005 1 block south of university 3+1 bedrooms, 2 bathrooms. \$1,300/month. References. 438-5480.

WALK TO UNIVERSITY SABBATICAL HOME, furnished, 2,000+ sq. ft., custom built, quiet street January – December, 2006 (780) 492-5002, marty.luckert@ualberta.ca.

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STRATHCONA HOUSING CO-OP is accepting applications for new members. 2 bedroom \$615/month 3 bedroom \$690/month. Orientation and interviews for new potential members will be Sunday October 23rd at 2:00 p.m. Phone 450-3336. Individuals needing housing subsidy welcome.

BRIGHT SUNNY OLIVER CONDO – 2 bedroom + den, 1 ½ Baths, 3 Appls, coin laundry same floor, 1 parking stall, 2 balconies, new kitchen, baths, floors. Available Nov. 1st furnished or unfurnished, walk to Jasper Ave, UofA, LRT, schools and river valley trails. Gary 993-8407.

WALK TO UOFA! Lovely home in McKernan. Includes master bdrm & den in loft, 2nd bdrm on main flr. Close to banking, shopping, McKernan school and parks. Hrdwd/FP/WD. NS/NP. \$975 & util. Avail immed. Ph. 996-4287. To view photos, go to www.rentingspaces.ca, and look for 2 bdrm Houses in the University area.

STEPS FROM UNIVERSITY OF ALBERTA HOSPITAL, classy executive condo on two levels, fully furnished and beautifully appointed throughout, 2 bedrooms and den, formal living and dining

room, designer kitchen, 2 balconies, 2400 sq. Ft. Call Janet Fraser 441-6441 Gordon W.R. King and Associates Real Estate Corp.

ACCOMMODATIONS FOR SALE

BELGRAVIA \$515,900 – Substantially renovated 1 ½ Storey, 2680', 4 bedrooms, attached double garage, spectacular great room or study. Fireplace, 4 pce ensuite, updated shingles. Siding, landscaping. Ed Lastiwka, Royal LePage Noralta 431-5600. Photos. Edshomepage.com.

FOUR BEDROOMS, 3 BATHS, 2 STOREY overlooking river valley with great access to UofA. Many upgrades. Beautiful landscaping. Must be seen. Call Teresa Koziel 450-6300. Realty Executives Polaris. www.teresakoziel.com

ROYAL GARDENS – Perfect location, fabulous home! Four bedrooms 2 ½ baths upgraded lighting new furnace family room with wood burning fireplace kitchen with eating area, dining room, living room with hardwood floors and huge bright west window. Finished basement with media room, laundry. Queen size Murphy bed in guest room/sewing room. New oversized garage. Pretty garden. Call Janet Fraser 441-6441 or 951-0672 Gordon W.R. King and Assoc.

RIVERBEND – Bulyea Heights "Volga" built. Exceptional 2 storey 4 bedroom huge dining room and living room, family room with fireplace and view to gorgeous backyard basement is fully finished with rec room, bedroom, and full bath. Laundry is in basement but could be on main floor as hook-up is there as well. Call to view. Janet Fraser 441-6441. Gordon W.R. King & Assoc. Real Estate.

BELGRAVIA – OVER \$200,000 IN RECENT UPGRADES – Stunning executive home situated on a beautifully landscaped 8,500 sq ft lot near the river valley. Gourmet kitchen with birch cabinets, concrete countertops, stainless appliances, gleaming hardwood floors, slate and berber. All new windows and much more. Drive by 7303 – 118A Street. \$455,000. Call Danielle Medley, Realty Executives Polaris, 450-6300. www.DanielleMedley.com.

BEAUTIFUL BELGRAVIA HOME! Lovely, upgraded 1,260 sq ft bungalow with three bedrooms + den & two full bathrooms. This original owner home has a delightful yard and double garage. Quick possession available. Pictures at JackBawden.com or call Jack at 497-0223. \$324,900. Royal LePage Noralta.

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Howard Hughes Medical Institute, University of Massachusetts, Worcester, Massachusetts, (2005 Gairdner Awardee)



Dr. James Carrington - Small RNA-Directed Pathways in Plants
Director, Centre for Gene Research and Biotechnology, Oregon State University, Corvallis, Oregon

MINDS THAT MATTER

THE 2005 GAIRDNER FOUNDATION SYMPOSIUM IN PARTNERSHIP WITH THE CANADIAN INSTITUTES OF HEALTH RESEARCH

Tuesday, October 25, 2005

2:00 - 5:00 pm • Bernard Snell Hall

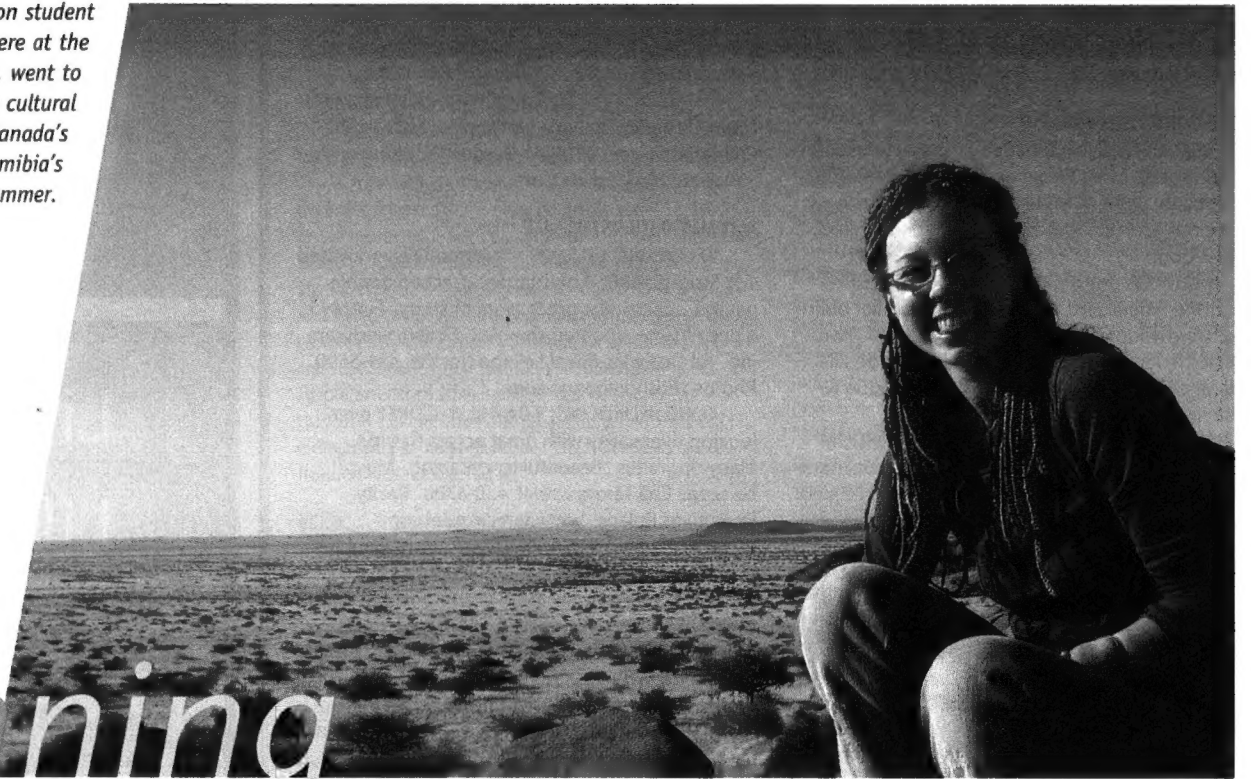
Walter Mackenzie Health Sciences Centre

Everyone welcome, Symposium and reception free, No reserve seating

Sponsors: Alberta Cancer Board & Alberta Cancer Foundation • Alberta Heritage Foundation for Medical Research • Canadian Institutes of Health Research • University of Alberta Faculty of Medicine & Dentistry • University of Calgary Faculty of Medicine

University of Alberta Hospital,
Entrance: 112 Street (East main
hospital entrance) between 85 and
86 Avenue, Reception with Gairdner
Awardees follows in Bernard Snell
Foyer from 5:00 – 5:45 pm

Fourth-year Education student Alexis Hillyard, seen here at the Spitzkoppe mountainside, went to Swakopmund, Namibia, on a cultural music exchange between Canada's Kokopelli Choir and Namibia's Mascato Youth Choir this summer.



A Beautiful Beginning



Africa meets Canada.

Student gained more than she hoped to from international exchange

By Alexis Hillyard

Namibia's voices flowed out of the churches, rang through the streets and resonated deep within my soul. Now, my Canadian lullabies have been transformed into African traditionals - every night I hear rich, haunting harmonies and am reminded of an unwavering passion for music. I am transported to times of Apartheid, to times of the Freedom songs and to times of praise.

I came to Namibia on an exchange program last summer to learn about African music, culture and life. But before I could live the life I would come to know, I had to get a feel for my surroundings and work my way in slowly. There were certain things that I'd need to learn.

Since gaining its Independence, Namibia has been trying to find its feet whilst shedding the tragic effects of Apartheid. So this was also a crash course in racism and its effects. "Whites Only" bars still stand with rules that couldn't be

written down, yet the discouraged customers knew them all too well. White elders stare disapprovingly at mixed couples.

I believed that my heart had to break and mend itself again in order to fully comprehend the harsh realities of Apartheid. As soon as I accepted it, I was able to see Namibian life in a whole new light and on a much deeper level.

I began focusing on the aspects of Africa that are bringing the people together.

The most precious and wonderful thing about my Namibian experience was singing with a one-of-a-kind choir, the Mascato Youth Choir. They sing under the direction of Ena Venter, a woman who lives to create new and challenging experiences for her singers. She and Scott Leithead (the director of Edmonton's Kokopelli Choir and the Oran Alumni Choir) both strive to give their singers the world, sacrificing time and energy - all in the name of music.

The brilliance of African culture is that music is the heart of it. Traditions that tell of unspeakable and beautiful histories are passed from one person to another verbally. Almost nothing is written down. This only begins to explain the outstanding musical ears Mascato possesses.

The best rehearsal days were those I entered to find a pre-practice jam session with drums and voices. I always sat quietly and listened, trying desperately not to gawk in amazement. Mrs. Venter has instilled all of the wonderful values that are connected with non-competitive singing and spreading joy through music. Mascato and Mrs. Venter were the perfect home - so much like Kokopelli and Oran. I was their sister. They were my sanctuary, my life and my joy. Even though my African winter with Mascato is finished, I consider this to be a beautiful beginning. ■



Sun on the duneside makes for breathtaking scenery.



Photos: Scott Leithead

Music class at Namib Primary School.